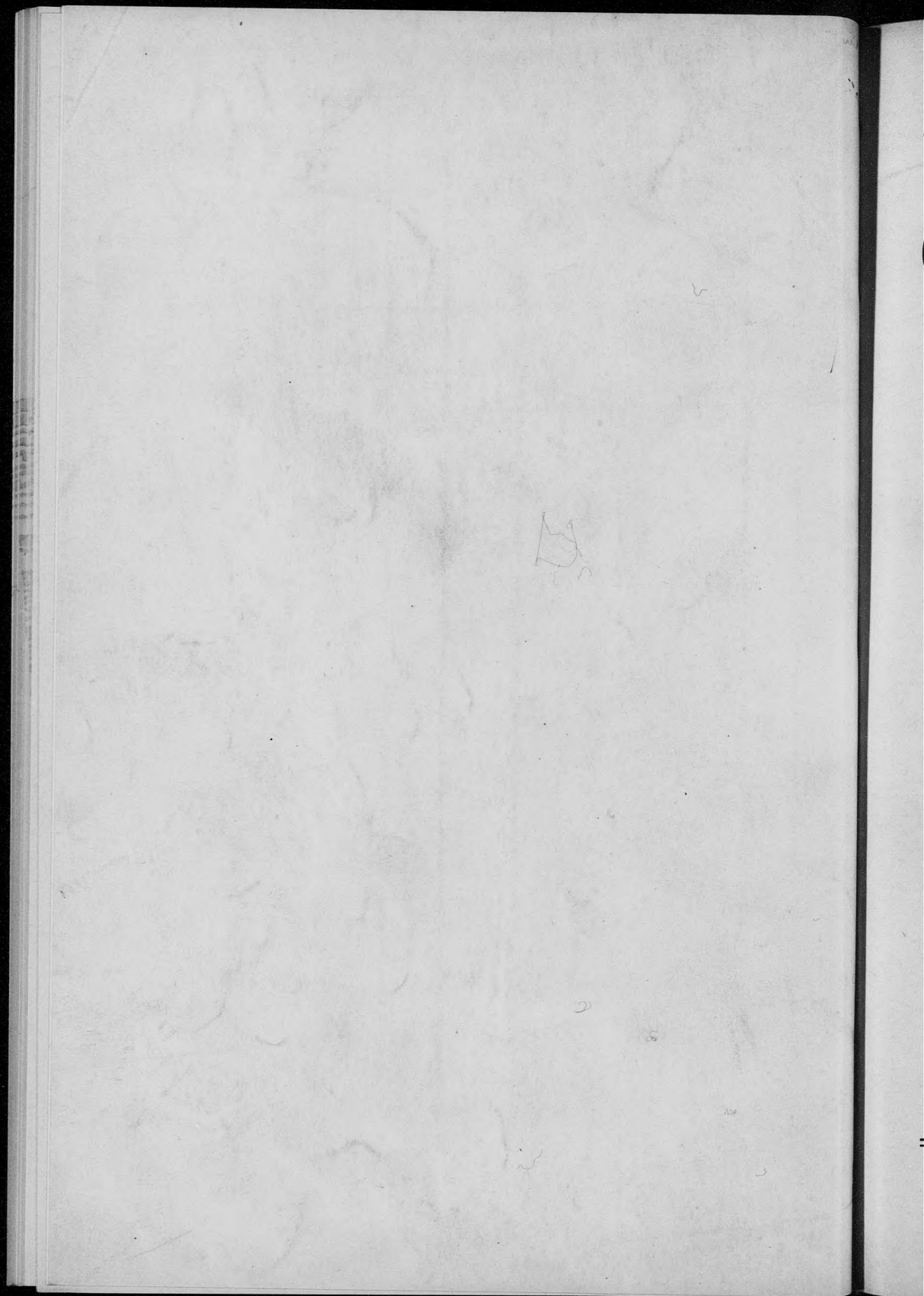


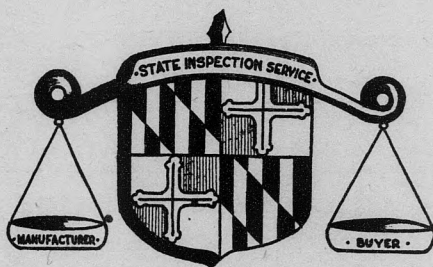


Commercial Fertilizers, Commercial Feeds

AND

Agricultural Liming Materials

The New Fertilizer Law of Maryland, effective January 1st, requires that Nitrogen shall be stated as Nitrogen and not as Ammonia, as has been the custom in the past. (One per cent of Nitrogen is equal to 1.22 per cent of Ammonia.)



STATE INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
College Park, Md.

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INTRODUCTION

The first part of this bulletin, or that embraced within pages 8 to 16, contains a list and description of all brands of fertilizer registered prior to January 14th and intended for 1932 delivery in Maryland. A slight change has been made from past years with respect to the statement of sources of nitrogen. The name of each ingredient from which the nitrogen is derived is not given; however, in lieu thereof, the percentage of nitrogen derived from mineral sources and the percentage obtained from organic sources is stated. From a control viewpoint this change is welcomed, as a closer check of composition declarations is now possible. The editing of fertilizer registrations is the result of an insistent demand on the part of fertilizer users for advanced information regarding the composition of brands to be offered for sale. The success of this part of the bulletin is dependent upon the early registration of goods by members of the industry, for if the products are not licensed they cannot be included for publication. It is impossible, however, to include all products that will be sold, as many manufacturers find it necessary to supplement their first estimates of prospective demands with later registrations.

A detailed report covering the chemical and microscopical examination of 303 samples of feed taken from November 1st to January 1st by State Inspectors is shown from page 18 to page 39.

Twenty-four samples of agricultural liming materials secured during the period mentioned above were examined and reports are included on pages 42 to 43.

In addition to the analysis of the official samples included in this publication, 320 samples drawn and forwarded to this Department by purchasers have been examined and results obtained have been transmitted to the parties particularly interested.

SIGNIFICANCE OF BRAND NAMES

In a former issue of this publication the Inspection and Regulatory Service has called the attention of readers to the naming of fertilizer brands. Reference to past registration bulletins will bear out the statement that certain names have hitherto had but little significance as indicators of the ingredients present.

"Fish fertilizers" which contained less than one-half of 1 per cent of ammonia derived from fish, and "blood and bone fertilizers" containing only such blood and bone as might be incidentally present in animal tankage have been offered for sale. In a few cases the amounts of essential plant nutrients furnished by various ingredients mentioned in brand names have been so small that the manufacturers have not thought it worth while to claim them in making up their statements of the derivation of ammonia and phosphoric acid present.

In the past this Department has sought to protect purchasers against the misleading implications of brand names; first, by circulating information as to the ingredients contained in fertilizers and by specifically pointing out the facts above mentioned, and second, by inducing manufacturers, whenever possible, to alter names which might be construed as misleading. Not all manufacturers have been willing to do so. Some of them have contended (and no doubt reasonably) that their present brand names are equivalent to trademarks of long standing; that their customers order the same brands year after year on the strength of past performance, rather than with any mistaken notion as to the ingredients employed, and that to alter such names would be, in effect, to abandon without compensation the good will and advertising value attached to them.

The problem inherent in this situation has not been confined to Maryland alone. The national Association of Official Agricultural Chemists has referred the question to its Fertilizer Committee for action. After thorough consideration, that committee has adopted the following ruling as calculated to protect the interest of buyers and manufacturers alike:

**"SIGNIFICANCE OF THE NAME OF A MATERIAL
USED AS THE BRAND NAME OF A MIXED FERTILIZER:**

—When the name of a material is used as a part of the brand name of a fertilizer, as, for example, blood, bone or fish, the nitrogen or phosphoric acid shall be derived or supplied by the material named. When the name of a material is used as a brand or as part of a brand and the nitrogen and phosphoric acid is supplied only in part by the material named, the word 'brand' shall follow the name of the material, as, for example, 'Fish Brand Fertilizer'."

Until further notice, this Department will be guided by the foregoing ruling in accepting fertilizer registrations. Hereafter it may be taken for granted that a registration "fish, blood and bone fertilizer" offered for sale in Maryland is guaranteed to contain ammonia and phosphoric acid derived exclusively from fish, blood and bone. A product qualified with the word "brand," however, as "Fish Brand" fertilizer, on the other hand, may contain much or little fish, with the odds favoring the latter as more accurately representing the quantity present.

MARYLAND STANDARD ANALYSIS FERTILIZERS EXPRESSED AS NITROGEN, PHOSPHORUS AND POTASH

The purpose of recommending standard fertilizers may be stated briefly as an attempt to encourage the greater use of high-grade fertilizer and thus reduce the unit cost to the consumer through the savings in such items as freight, containers, handling charges and manufacturing costs.

Analysis	Total Units	RECOMMENDED FOR	
		Piedmont, Western and Southern Maryland	Coastal Plains—Eastern Shore*
2-8-5	15	Corn, small grains, cannery corn, late potatoes.	Corn, late potatoes, cannery corn, and grains on the heavier soils and for legumes on unmanured soils.
2-12-4	18	Wheat, winter barley and corn on dairy farms and where fertilizer is divided between the grain crops.	Late potatoes and grains on loams and heavy soils.
0-12-5	17	Soybeans, cow peas, top dressing, alfalfa, and on corn and grass land that is heavily manured.	Alfalfa, clovers, soybeans, cow peas, and pasture on manured land.
2-8-10	20	Sweet potatoes on sandy soil with manure and for root crops such as carrots, beets, parsnips.	
3-8-10	21	Sweet potatoes, carrots, parsnips, turnips, and other root crops, without manure or legumes.	
4-8-5	17	Sugar corn, asparagus, cannery peas and beans, cucumbers, canteloupes, late potatoes and lima beans, and grains on sandy soils.	
4-8-7	19	Tomatoes in rotation with field crops.	Tomatoes in rotation with field crops and after a green manure crop.
6-6-5	17	Early potatoes, asparagus and other truck crops.	Early potatoes and broccoli.

SPECIAL FERTILIZER ANALYSES FOR TOBACCO**

4-8-12	24	Without either manure or legumes in the rotation and on rested land.
0-12-10	22	With both manure and legumes in the rotation.
2-12-8	22	With manure in the rotation.
2-8-10	20	With legumes in the rotation.
6-6-8	20	For tobacco seed beds.

* Representatives of the Delaware and Maryland Agricultural Experiment Station concur in the recommendations for the Del-Mar Peninsula.

** Potash from high-grade sulphate of potash.

TABLES

The following pages contain a detailed list of the different brands of fertilizer registered for 1932 delivery and the declared composition of each.

FIRMS AND BRANDS	NITRO- GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super- phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Agricultural Corporation of Maryland, Baltimore, Md.										
Maryland Farm Bureau, 2-12-4.....	1.60	.40	11.88			*.12			*.30	3.70
Maryland Farm Bureau, 2-8-10.....	1.60	.40	7.88			*.12	2.60		*.30	7.10
Maryland Farm Bureau, 2-8-5.....	1.60	.40	7.88			*.12			*.30	4.70
Maryland Farm Bureau, 0-12-5.....			12.00							5.00
Maryland Farm Bureau, 0-16-0.....			16.00							
American Agricultural Chemical Co., New York, N. Y.										
Slingluff's Pl. Bed Fert. (Sul.), 10-5-2	9.50	.50	3.00			†2.00			2.00	
AA. Tobacco Bed Fert. (Sul.), 6-6-8.	5.40	.60	3.60			†2.40			8.00	
Detrick's Gold Basis Fertilizer, 6-6-5.	5.40	.60	3.90			†2.10	2.00			3.00
AA. Pr. Geo. Tob. Fert. (Sul.), 4-8-12	3.60	.40	4.80			†3.20			12.00	
AA. Red Leaf Tob. Fert. (Sul.), 4-8-10	3.60	.40	4.80			†3.20			10.00	
A. A. Gol. Leaf Tob. Fert. (Sul.), 4-8-7	3.60	.40	4.80			†3.20			7.00	
A. A. Gladiator Fertilizer, 4-8-7.....	3.60	.40	4.80			†3.20	.70			6.30
A. A. Early Trucker Fertilizer, 4-8-5.	3.60	.40	4.80			†3.20	2.00			3.00
A. A. Sweep. Tob. Fert. (Sul.), 3-8-3.	2.70	.30	4.80			†3.20			3.00	
A. A. Old Hickory Fertilizer, 2-8-10..	1.70	.30	4.80			†3.20	7.00			3.00
A. A. Silk Lf. Tob. Fert. (Sul.), 2-8-10	1.70	.30	4.80			†3.20			10.00	
A. A. Kangaroo Complete Kom., 2-9-3	1.70	.30	6.30			†2.70				3.00
A. A. Red Dog Fertilizer, 2-8-5.....	1.70	.30	4.80			†3.20				5.00
Patapsco Big Chief Fertilizer, 2-8-5..	1.70	.30	5.20			†2.80				5.00
Listers Harvest Queen Fertilizer, 2-8-5	1.70	.30	4.80			†3.20				5.00
A. A. Acme Fertilizer, 1-9-4.....	.75	.25	7.65			†1.35				4.00
Listers G Brand Fertilizer, 1-9-4.....	.75	.25	7.65			†1.35				4.00
Pul. Sheep & Goat Man., 1¼-1TPA.-2		1.25								
A. A. 20% Superphosphate, 0-20-0.....			20.00							
A. A. 16% Superphosphate, 0-16-0.....			16.00							
Listers 16% Superphosphate, 0-16-0..			16.00							
A. A. Basic Lime Phosphate, 0-13-0..			13.00							
Patapsco Apex Mixture, 0-12-5.....			12.00							5.00
A. A. Victory Mixture, 0-12-5.....			12.00							5.00
Sulphate of Ammonia, 20.50-0-0.....	20.50									
Nitrate of Soda, 15.50-0-0.....	15.50									
Pure Raw Bone, 3.70-20 TPA.....		3.70				20.00				
Fine Ground Bone, 2.47-23 TPA.....		2.47				23.00				
Sulphate of Potash, 0-0-48.....										
Muriate of Potash, 0-0-48.....										
Kainit, 0-0-14.....										
American Cyanamid Co., New York, N. Y.										
Aero Cyanamid, 22-0-0.....		22.00								
Ammo-Phos, 16-20-0.....	16.00					†20.00				
Ammo-Phos., 11-48-0.....	11.00					†48.00				
Armour Fertilizer Works, Balto., Md.										
Special Turf Fertilizer, 10-8-6.....	10.00		8.00				3.00		3.00	
Big Crop Fertilizer, 8-5-2.....	7.20	.80	5.00						2.00	
Big Crop Fertilizer, 6-12-7.....	6.00		12.00				7.00			
Big Crop Tobacco Bed Fert., 6-6-8..	4.50	1.50	6.00						8.00	

* Vegetable Meal.

† Ammoniated Superphosphate.

‡ Orthophosphoric Acid.

FIRMS AND BRANDS		NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
		Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Armour Fertilizer Works, Balto., Md.											
(Continued)											
30	3.70	3.60	2.40	6.00				5.00			
30	7.10	3.75	1.25	10.00				5.00			
30	4.70	5.00		8.00				3.00		3.00	
	5.00	4.00		16.00				10.00			
		4.00		16.00				4.00			
		3.00	1.00	8.00						12.00	
		3.00	1.00	8.00				7.00			
		3.00	1.00	8.00						7.00	
00		2.40	1.60	8.00				5.00			
00		2.25	.75	12.00				2.00			4.00
	3.00	2.25	.75	8.00				10.00			
00		2.00		16.00				8.00			
00		1.50	.50	12.00							4.00
00		1.50	.50	8.00				10.00			
	6.30	1.50	.50	8.00						10.00	
	3.00	1.50	.50	8.00							5.00
00		.65	.35	9.00							4.00
00	3.00			10.00				10.00			
00				12.00				3.00			2.00
	3.00		7.00								
	5.00	3.70					20.00				
	5.00	2.47					22.00				
	5.00	1.25									
	4.00			20.00							
	4.00			16.00							
				13.00							
Baltimore Fertilizer Co., Balto., Md.											
		7.20	.80	5.00						2.00	
	5.00	4.50	.50	7.00							5.00
	5.00	3.20	.80	8.00							5.00
		2.25	.75	8.00							4.00
		1.20	.80	8.00				5.00			5.00
		1.20	.80	8.00							5.00
		.50	.50	9.00							4.00
				16.00							
Baugh & Sons Co., Baltimore, Md.											
		20.57									
		15.23									
		6.80	1.20	4.80	.20					2.00	
		5.10	.90	6.00						8.00	
		4.20	1.80	5.60	.30	.10		5.00			
		3.20	.80	15.80	.20			4.00			
		4.00		12.00				4.00			
		3.20	.80	11.80	.20			4.00			
		3.20	.80	7.80	.20			5.00			2.00
		3.20	.80	7.80	.20			5.00			
		3.00	1.00	7.80	.20					4.00	

FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Baugh & Sons Co., Balto., Md. (Cont.)										
Raw Bone Meal, 3.70-21.50 TPA		3.70				21.50				
Three Quart. Cent. Perf. Brand, 3-12-6	2.25	.75	11.80	.20			6.00			
Grand Rapid Mixture, 3-8-10	2.25	.75	7.80	.20			10.00			
Yucatan Tobacco Mixture, 3-8-3	2.25	.75	7.90	.10					3.00	
Pure Steamed Bone Meal, 2.47-23 TPA		2.47				23.00				
Double Eagle Phosphate, 2-12-4	1.40	.60	11.80	.20			2.00			2.00
The Old-Stand-By, 2-12-2	1.40	.60	11.80	.20						2.00
Corn & Oats Fertilizer, 2-12-2	1.40	.60	11.80	.20						2.00
Commercial Crop Compound, 2-8-10	1.40	.60	7.80	.20			10.00			
Wheat Fert. for Wheat & Grass, 2-9-3	1.40	.60	8.80	.20						3.00
Fish Brand Mixture, 2-9-3	1.40	.60	8.70	.20	.10					3.00
Animal Base & Potash Comp., 2-9-3	1.40	.60	8.80	.20						3.00
Tomato Compound, 2-9-3	1.40	.60	8.80	.20						3.00
Special Potato Manure, 2-8-5	1.40	.60	7.80	.20			2.00			3.00
Complete Animal Base Fert., 2-8-5	1.40	.60	7.80	.20			2.00			3.00
Excelsior Mixture, 1-9-4		.60	8.80	.20						4.00
Muriate of Potash, 0-0-48										
Genuine Imported Kainit, 0-0-14										
Belt Seed Co., Inc., Baltimore, Md.										
Lawnsur, 5-10-5	2.50	2.50	2.50			*7.50			5.00	
Bolgiano Seed Co., Baltimore, Md.										
Blood Meal, 13.16-0-0		13.16								
Bone Meal, 2.47-22 TPA		2.47								
Central Chemical Co., Inc., Hagerstown, Md.										
"Gro-All" Potato Special, 4-8-7	3.20	.80	8.0				2.00			5.00
"Gro-All" Super-Fish Br. Fert., 2-12-6	.20	1.80	12.00				6.00			
"Gro-All" Imperial, 2-8-10	1.00	1.00	8.00				4.00			6.00
"Gro-All" Excelsior, 2-8-5	1.00	1.00	8.00							5.00
"Gro-All" Crown Jewel, 1-9-4	.25	.75	9.00							4.00
"Gro-All" Dissolved Phos., 0-16-0			16.00							
Chilean Nitrate Sales Corp., New York, N. Y.										
Champion Br. Nitrate of Soda, 16-0-0	16.00									
Std. Chilean Nitrate of Soda, 15 1/4-0-0	15.25									
Dorchester Fertilizer Co., Cambridge, Md.										
Standard, 0-11-8			11.00							8.00
Eastern States Farmers' Exchange, Springfield, Mass.										
15-20-15	12.05	2.95				+20.00	3.80	11.2		
10-20-20	10.00				°3.30	+16.70	13.00	7.0		
4-16-20	4.00		2.00		°14.00		17.25	2.75		
2-8-10	2.00		8.00				3.40			6.60
0-14-6			14.00				6.00			
16% Superphosphate, 0-16-0			16.00							

* Precipitated Phosphate.

† Leunophos No. 2.

‡ Potassium Nitrate.

° Ammo Phos.

Edelen
10% TFarmer
Fre
Sure
Whea
Rock
SuperFarmer
We
Truck
Potas
Potas
Farm
X X
X X
Super
SuperFord M
AmmGobel-J
PlantGriffith
High
Gilt
Speci
Pearl
Roya
20%
HighGriffith
Speci
Soft
Amm
Tom
Alka
SpeciHamps
Ha
2-8-10
2-8-5
1-9-4
Supe

* Ba

FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Edelen Bros., Baltimore, Md.										
10% Tob. Bed Spe. with 2% Pot., 10-5-2	8.25	1.75	4.50	.50					2.00	
Farmers Cooperative Ass'n., Inc., Frederick, Md.										
Sure Crop, 2-12-6	.40	1.60	12.00				4.00			2.00
Wheat & Grass Special, 2-8-5	.70	1.30	8.00				2.00	3.00		
Rock & Potash Special, 0-12-5			12.00							5.00
Superphosphate, 0-16-0			16.00							
Farmers' Fertilizer & Feed Co., Westminster, Md.										
Truckers Delight, 4-8-7	3.20	.80	7.50	.50			2.00			5.00
Potash Special, 2-8-10	1.30	.70	7.50	.50			4.00			6.00
Potato Grower, 2-8-5	1.30	.70	7.50	.50						5.00
Farmers' Favorite, 1-10-5	.50	.50	9.50	.50						5.00
X X X, 1-9-4	.50	.50	8.50	.50						4.00
X X, 1-9-3	.50	.50	8.50	.50						3.00
Superphosphate & Potash, 0-12-5			12.00							5.00
Superphosphate, 0-16-0			16.00							
Ford Motor Co., Detroit, Mich.										
Ammonium Sulphate, 20.80-0-0	20.80									
Gobel-Löffler, Inc., Benning, D. C.										
Plantonic, 6-25-TPA-1		6.00	12.50			12.50				1.00
Griffith & Boyd Co., Baltimore, Md.										
High-Gr. Fish & Pot. Br. Gu., 2-12-8	1.10	.90	11.00		.15	*.85	8.00			
Gilt Edge Crop Guano, 2-8-10	.40	1.60	7.00			*1.00	10.00			
Special Guano, 2-8-5	1.40	.60	7.00			*1.00		2.00		3.00
Peerless Fertilizer, 1-10-3	.20	.80	10.00					3.00		
Royal Potash Guano, 1-9-4	.20	.80	8.00			*1.00		2.00		2.00
20% Acid Phosphate, 0-20-0			20.00							
High Grade 16% Acid Phos., 0-16-0			16.00							
Griffith & Turner Co., Baltimore, Md.										
Special Truck Mixture, 4-8-6	2.80	1.20	7.00			*1.00	4.00	2.00		
Soft Ground Bone, 3-14 TPA										
Ammo. Butchers Bone Brand, 2-12-2	1.40	.60	11.00			*1.00		2.00		
Tomato Grower, 2-8-5	1.40	.60	7.00			*1.00		2.00		3.00
Alkaline Plant Food, 1-10-3	.80	.20	9.00			*1.00		3.00		
Special Potato, 1-9-4	.80	.20	8.00			*1.00		2.00		2.00
Hampstead Fertilizer Co., Hampstead, Md.										
2-8-10	1.20	.80	8.00				5.00			5.00
2-8-5	1.20	.80	8.00							5.00
1-9-4	.50	.50	9.00							4.00
Superphosphate, 0-16-0			16.00							

* Base Goods.

FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Hansen Inoculator Co., Urbana, Ill.										
Humus Inoculator.....										
Inoculator.....										
Huston, Culver & Co., Seaford, Del.										
Huston, Culver & Co.'s 5%, 5-8-5.....	4.00	1.00	8.00				2.50			2.50
Trucker, 4-8-5.....	3.00	1.00	8.00				2.50			2.50
Sweet Potato Mixture, 3-8-10.....	2.00	1.00	8.00				10.00			
Crop Grower, 2-8-5.....	1.00	1.00	8.00							5.00
Huston's Special, 1-9-4.....		1.00	9.00							4.00
Acid Phosphate, 0-16-0.....			16.00							
Double Potash Mixture, 0-12-5.....			12.00				2.50			2.50
Rock & Kainit, 0-8-6.....			8.00					6.00		
Manuro Products Corp., Balto., Md.										
Manure Compost, 1-60-50.....		1.00				*.60				*.50
Manure, 1-60-50.....		1.00				*.60				*.50
Maryland Milling & Supply Co., Sykesville, Md.										
M. & M. 7% Potato Guano, 7-6-5.....	5.00	2.00	6.00				5.00			
Forthman's Special, 5-8-5.....	2.50	2.50	8.00				2.50			2.50
"Special," 4-8-4.....	2.50	1.50	8.00				2.00			2.00
1932 Mixture, 2-12-4.....	1.00	1.00	12.00				2.00			2.00
Newman's Favorite, 2-8-5.....	1.50	.50	8.00				2.50			2.50
Dietrich's Favorite, 1-8-4.....		1.00	8.00							4.00
Phosphate & Potash, 0-12-5.....			12.00				2.50			2.50
High Grade Super-Phosphate, 0-16-0.....			16.00							
Massey & Wilmer, Chestertown, Md.										
Tom, Jr., 5-8-5.....	4.00	1.00	8.00				5.00			
Trustworthy, 2-8-5.....	1.00	1.00	8.00				1.00			4.00
Corn Phosphate, 1-9-4.....	.80	.20	9.00							4.00
Crop Producer, 1-9-4.....	.70	.30	9.00							4.00
0-12-5.....			12.00				1.00			4.00
Super-Phosphate, 0-16-0.....			16.00							
Medford Fertilizer Works, Medford, Md.										
2-8-5.....	1.00	1.00	8.00					2.50		2.50
1-10-5.....	.50	.50	10.00					2.50		2.50
1-8-5.....	.50	.50	8.00					5.00		
0-12-5.....			12.00							5.00
Mor Life Plant Food Co., Baltimore, Md.										
Mor Life Plant Food, 4-5-2.....	.80	3.20			†.60	4.40			1.30	*.70
G. Ober & Sons Co., Baltimore, Md.										
Special Tobacco Bed Fertilizer, 8-5-2.....	6.80	1.20	4.92			†.08		†.20	1.80	
Plant Grower, 6-6-8.....	5.10	.90	5.92			†.08		†.20	7.80	
Std. Southern Vegetable Comp., 6-6-5.....	4.50	1.50	6.00				5.00			
Red Jacket Fertilizer, 4-16-4.....	3.00	1.00	16.00							4.00
Lord Calvert Tobacco Fert., 4-8-12.....	2.80	1.20	8.00						12.00	

* Rotted Stable Manure.

† Sheep Manure.

‡ Vegetable Meal.

G. Ober
Roy
Mary
Red
Fruit
Super
Red
Super
Spec
Swan
Spec
Stag
Spec
Twel
High

Pacific
Sa
Groz

Peerle
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Earl
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Plantal
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N. V. I
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Potoma
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4% F

Pulver
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FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
G. Ober & Sons Co., Balto., Md. (Cont.)										
Royal Crown Tobacco Guano, 4-8-10.	2.80	1.20	8.00						10.00	
Maryland Tob. Growers Special, 4-8-7	2.80	1.20	8.00						7.00	
Red Seal Tobacco Fertilizer, 4-8-5.	2.80	1.20	8.00						5.00	
Fruit & Vine Truck Guano, 4-8-5.	3.00	1.00	7.90			* 10		* 25		4.75
Super Wheat & Grain Grower, 3-12-3.	2.25	.75	12.00							3.00
Red Seal Corn & Wheat Guano, 2-12-4	1.60	.40	11.88			* 12		* 30		3.70
Superior Potato & Veg. Grower, 2-8-10	1.60	.40	7.88			* 12	2.60	* 30		7.10
Special Tobacco Mixture, 2-8-10.	1.40	.60	8.00						10.00	
Swan E Guano, 2-9-3.	1.60	.40	8.88			* 12		* 30		2.70
Special Plant Food, 2-8-5.	1.60	.40	7.88			* 12		* 30		4.70
Stag Guano, 1-9-4.	.80	.20	8.88			* 12		* 30		3.70
Special Grade Superphosphate, 0-18-0.			18.00							
Twelve & Five Potash Comp., 0-12-5.			12.00							5.00
High-Grade Superphosphate, 0-16-0.			16.00							
Pacific Manure & Fertilizer Co., San Francisco, Calif.										
Groz-It Br. Pul. Sh. Man., 1½-.75-2½		1.50								
Peerless Fertilizer Co., Chestertown, Md.										
Truckers Pride, 6-6-5.	5.00	1.00	6.00				4.00			1.00
Early Trucker, 4-8-5.	3.00	1.00	8.00				2.50			2.50
Fish Brand Fertilizer, 2-8-7.	1.00	1.00	7.00	.50	.50			4.67		2.33
Our Peerless, 2-8-5.	1.25	.75	8.00				2.50			2.50
Plantabbs Corp., Baltimore, Md.										
Fulton's Plantabbs, 11-15-20.	11.00					† 15.00				20.0†
N. V. Potash Export My., Balto., Md.										
Sulphate of Potash, 0-0-48.										
Muriate of Potash, 0-0-48.										
High-Grade Kainit, 0-0-20.										
Potomac Poultry Food Co., Inc., Baltimore, Md.										
4% Pot. Potolime, Baked Oys. Sh. Li.										
Pulverized Manure Co., Chicago, Ill.										
Wizard Br. Pul. Sheep Manure, 2-1-2.		2.00								
Wizard Brand Cattle Manure, 2-1-1.		2.00								
Rasin-Monumental Co., Baltimore, Md.										
Eastern Shore Potato Special, 6-6-5.	4.50	1.50	6.00				4.50		° .50	
Seawall Truck Compound, 5-8-5.	3.75	1.25	8.00				4.50		° .50	
Double Royal Brand, 4-16-6.	3.00	1.00	16.00				5.50		° .50	
High-Grade Truck Compound, 4-8-7.	3.00	1.00	8.00				6.50		° .50	
Champion Po. & Vege. Manure, 4-8-5.	3.00	1.00	8.00				4.50		° .50	
Best Tomato & Fruit Formula, 3-12-6.	2.25	.75	12.00				5.50		° .50	
Double National Brand, 2-16-8.	1.50	.50	16.00				7.50		° .50	
Royal Fish & Potash Br. Fert., 2-9-3.	1.50	.50	9.00						° 1.25	1.75
Vegetable Special, 2-8-10.	1.50	.50	8.00				9.50		° .50	

* Vegetable Meal.

† Ammonium Phosphate.

‡ Potassium Nitrate.

° Tobacco Stems.

FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Rasin-Monumental Co., Baltimore, Md. (Continued)										
Universal Crop Manure, 2-8-5.....	1.50	.50	8.00						° .50	4.50
National Crop Compound, 1-9-4.....	.75	.25	9.00						° 1.25	2.75
High Grade Potash Mixture, 0-12-5.....			12.00				1.00		° .50	3.50
16% Superphosphate, 0-16-0.....			16.00							
Phosphate & Lime Mixture, 0-13-0.....			13.00							
Read Drug & Chemical Co., Balto., Md. Plantgro, 4-12-4.....										
	4.00		12.00				4.00			
Reindollar Co., Taneytown, Md. Crop Grower, 2-8-5.....										
	1.50	.50	8.00				2.50			2.50
Rock & Potash, 0-12-6.....			12.00				5.00			1.00
16% Acid Phosphate, 0-16-0.....			16.00							
F. S. Royster Guano Co., Baltimore, Md. Arrow Potato Guano, 6-6-5.....										
	3.60	2.40	6.00				2.50			2.50
Verbena Guano, 5-8-5.....	4.00	1.00	8.00				2.50			2.50
Quality Trucker, 4-8-7.....	3.20	.80	8.00				4.50			2.50
Raw Bone Meal, 3.70-20.60 TPA.....		3.70				20.60				
Curlew Guano, 3-12-6.....	2.40	.60	12.00				3.17			2.83
Favorite Guano, 3-8-10.....	2.40	.60	8.00				10.00			
Gem Guano, 2-12-4.....	1.60	.40	12.00							
Viking Guano, 2-9-3.....	1.60	.40	9.00							4.00
Banner Guano, 2-8-10.....	1.60	.40	8.00				10.00			3.00
Bully Guano, 2-8-5.....	1.60	.40	8.00							
Rational Guano, 1-9-4.....	.80	.20	9.00							5.00
Superphosphate, 0-20-0.....			20.00							4.00
Phosphate & Potash, 0-12-5.....			12.00							5.00
Superphosphate, 0-16-0.....			16.00							
R. H. Slingluff Fertilizer Co., Balto., Md. 10% Tob. Bed Sp. with 2% Pot., 10-5-2.....										
	8.25	1.75	4.50	.50					2.00	
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md. Standard U. S. 8-5-2.....										
	6.40	1.60	5.00						2.00	
Standard U. S. 7-6-8.....	5.60	1.40	6.00						8.00	
Standard U. S. 5-8-5.....	4.00	1.00	8.00				3.00			2.00
Standard U. S. 2-12-6.....	1.60	.40	12.00				6.00			
Standard U. S. 2-8-5.....	1.60	.40	8.00				2.00			3.00
Standard U. S. 1-9-4.....	.80	.20	9.00				1.00			3.00
Std. U. S. 20% Superphosphate, 0-20-0.....			20.00							
Standard U. S. 0-10-10.....			10.00				5.00			5.00
Standard U. S. 0-12-5.....			12.00				2.00			3.00
Std. U. S. 16% Superphosphate, 0-16-0.....			16.00							
Summers Fertilizer Co., Inc., Balto., Md. Potato Special, 6-6-5.....										
	5.10	.90	6.00				5.00			
All Crop Grower, 2-8-5.....	1.70	.30	8.00							5.00

° Tobacco Stems.

Synthe
N
Urea
Nitr
Nitr
Nitr
Cal.

Talbot
2-8-8
0-12-

Thoma
Whe
Har
Rock
Super

I. P. T.
6% C
Fish
Vict
Pota

Wm. B.
Irish
Topo
Mel
Earl
Raw
Mixt
Tilg
"S.
Stan
Super

Tobacco
Ri
"Bl

F. W.
Virg
Vege
Pota
Fish
Veri
Whe
Super

Urban
Urban

* D
† D
‡ D
° T

FIRMS AND BRANDS	NITRO-GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super-phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
Synthetic Nitrogen Products Corp., New York, N. Y.										
Urea (Floramid-Urea), 46-0-0.....		46.00								
Nitrophoska, 16-16-16.....	6.20	9.80				*16.00	16.00			
Nitrophoska, 15-30-15.....	15.00					†30.00	15.00			
Nitrophoska, 10-20-20.....	8.00	2.00				‡20.00	20.00			
Cal. Nitrate (Nitrate of Lime), 15-0-0.....	15.00									
Talbot Fertilizer Co., Easton, Md.										
2-8-8.....	2.00		8.00				8.00			
0-12-5.....			12.00				5.00			
Thomas & Co., Frederick, Md.										
Wheat & Grass Growers, 2-8-5.....	.70	1.30	8.00				2.00	3.00		
Harvest Queen, 1-10-2.....	.25	.75	10.00							2.00
Rock & Potash, 0-12-5.....			12.00							5.00
Superphosphate, 0-16-0.....			16.00							
I. P. Thomas & Son Co., Phila., Pa.										
6% Guano, 6-6-5.....	5.10	.90	6.00				5.00			
Fish & Potash Brand, 5-8-5.....	4.50	.50	8.00				5.00			
Victor Potash Fertilizer, 2-8-5.....	1.70	.30	8.00				5.00			
Potash Mixture, 0-12-5.....			12.00				5.00			
Wm. B. Tilghman Co., Salisbury, Md.										
Irish P. Guano, 6-6-5.....	4.20	1.80	4.50	1.00	.50		5.00			
Topdresser, 5-6-6.....	4.50	.50	5.50	.50			6.00			
Melon Mixture, 4-8-7.....	2.00	2.00	6.00	.60	1.40		7.00			
Early Trucker, 4-8-5.....	2.80	1.20	6.50	1.00	.50		5.00			
Raw Bone Meal, 3.70-21.50 TPA.....		3.70				21.50				
Mixture "B," 3-8-10.....	2.10	.90	6.50	1.00	.50		10.00			
Tilghman's "Q," 2-10-6.....	1.40	.60	9.00	.70	.30		5.00			1.00
"S. P.," 2-8-10.....	1.40	.60	7.00	.70	.30		10.00			
Standard, 2-8-5.....	1.40	.60	7.00	.70	.30		2.50	2.50		
Superphosphate, 0-16-0.....			16.00							
Tobacco By-Products & Chemical Corp., Richmond, Va.										
"Black Leaf" Tob.-Stem Ml., 1.16-0-4.....		1.16								°4.00
F. W. Tunnell & Co., Inc., Phila., Pa.										
Virginia Potato Manure, 6-6-5.....	4.50	1.50	5.00	1.00			5.00			
Vegetable & Fruit Manure, 3-8-8.....	1.95	1.05	7.00	1.00			8.00			
Potato & Truck Manure, 2-8-10.....	1.00	1.00	7.00	1.00			10.00			
Fish Brand Mixture, 2-10-6.....	.80	1.20	8.00	2.00			6.00			
Veribest Cereal Manure, 2-8-5.....	1.00	1.00	7.00	1.00			5.00			
Wheat & Cereal Manure, 1-9-4.....	.25	.75	7.50	1.50			2.00			2.00
Superphosphate, 0-16-0.....			16.00							
Urbana Laboratories, Urbana, Ill.										
Urbana Culture.....										

* Diammonium Phosphate and Calcium Phosphate.

† Diammonium Phosphate.

‡ Diammonium Phosphate and Superphosphate.

° Tobacco Stems.

FIRMS AND BRANDS	NITRO- GEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent from Mineral Sources	Per Cent from Organic Sources	Super- phosphate	Tankage	Fish	Bone	Muriate	Kainit	Sulphate	Manure Salts
E. S. Valliant & Son, Centreville, Md.										
Fish Brand Mixture, 2-9-6.....	1.40	.60	9.00					2.00		4.00
Ideal, 0-12-6.....			12.00							6.00
Harvest, 0-12-5.....			12.00					2.00		3.00
Corn Mixture, 0-7-7.....			7.00					7.00		
Virginia-Carolina Chemical Corp., Baltimore, Md.										
V-C 6% Truck Fertilizer, 6-6-5.....	4.50	1.50	6.00				4.50		†.50	
V-C Virginia Trucker, 5-8-5.....	3.75	1.25	8.00				4.50		†.50	
V-C Double Empire Brand, 4-16-6.....	3.00	1.00	16.00				5.50		†.50	
V-C Double Owl Brand, 4-8-7.....	3.00	1.00	8.00				6.50		†.50	
V-C Great Truck & Veg. Comp., 4-8-5.....	3.00	1.00	8.00				4.50		†.50	
V-C Fish, Bone & Pot. Br. Fert., 2-9-3.....	1.50	.50	9.00						†1.25	1.75
V-C Indian Brand Fertilizer, 2-8-10.....	1.50	.50	8.00				9.50		†.50	
V-C Universal Crop Manure, 2-8-5.....	1.50	.50	8.00						†.50	4.50
V-C Star Brand Fertilizer, 1-9-4.....	.75	.25	9.00						†1.25	2.75
V-C High-Grade Potash Mix., 0-12-5.....			12.00				1.00		†.50	3.50
V-C 16% Superphosphate, 0-16-0.....			16.00							
Virginia-Carolina Chemical Corp., Richmond, Va.										
Bloom Aid, Tablet Form, 10-14-6.....	10.00					*14.00			6.00	
V-C Fairway Fertilizer, 6-6-5.....	3.90	2.10	6.00				4.25		.75	
Bloom Aid, 5-10-4.....	4.20	.80	10.00				4.00			
Walker-Gordon Farms, Juliustown, N. J.										
Driconure, 1-1-1.....		1.00				†1.00				†1.00
Westminster Fertilizer Co., Westminster, Md.										
2-8-5.....	1.30	.70	8.00							5.00
Super-A, 1-11-2.....	.50	.50	11.00							2.00
Leader, 1-9-4.....	.50	.50	9.00							4.00
16% Superphosphate, 0-16-0.....			16.00							
York Chemical Works, York, Pa.										
Dempwolf's, 2-12-4.....	1.60	.40	12.00				1.00			3.00
Dempwolf's Spring Special, 2-8-10.....	1.60	.40	8.00				5.00			5.00
Dempwolf's Standard, 2-8-5.....	1.60	.40	8.00							5.00
Dempwolf's Standard Potash, 1-9-4.....	.60	.40	9.00							4.00
Dempwolf's, 0-12-5.....			12.00							5.00
Dempwolf's Superphosphate, 0-20 0.....			20.00							
Dempwolf's Superphosphate, 0-16-0.....			16.00							

* Ammo. Phos.

† Tobacco Stems.

‡ Dried Manure.

4.00
6.00
3.00
.....

0
0
0
0
0
0
5 1.75
0
0 4.50
5 2.75
0 3.50
.....

TABLES

The results obtained in the chemical and microscopical examination of feeds are found on pages 18 to 39. Feeds are considered seriously deficient as regards chemical analysis when they are 1 per cent or more deficient in protein, or one-half of 1 per cent deficient in fat.

†1.00

5.00
2.00
4.00
.....

3.00
5.00
5.00
4.00
5.00
.....
.....

MANUFACTURER AND ADDRESS	NAME OF FEED
Agricultural Corp. of Md., Balto., Md.	Md. Productive 24% Dairy Ration.....
" " "	Md. Productive 24% Dairy Ration.....
" " "	Md. Moremilk 24% Dairy Ration.....
" " "	*Md. Moneymaker 20% Dairy Ration.....
" " "	Md. Economy 20% Dairy Ration.....
" " "	Md. 18% Dairy Ration.....
" " "	Md. Egg Mash No. 1.....
" " "	Md. Egg Mash No. 1.....
" " "	Md. Growing Mash, with Meat Scraps.....
" " "	Md. Growing Mash, with Meat Scraps.....
Akron Feed & Milling Co., Akron, Ohio.	Dairy Feed.....
" " "	†Ohio Laying Mash.....
" " "	Ohio Chop Feed.....
G. A. Allender, Elkton, Md.	Dandy 24 Dairy Feed.....
" " "	Dandy 24 Dairy Feed.....
" " "	Dandy 18 Dairy Feed.....
" " "	Dandy 18 Dairy Feed.....
" " "	Dandy Scratch Feed.....
Allied Mills, Inc., Chicago, Ill.	Wayne 32% Farm Mix Dairy Feed.....
" " "	Wayne 32% Farm Mix Dairy Feed.....
" " "	Wayne 32% Farm Mix Dairy Feed.....
" " "	Wayne 24% Dairy Feed.....
" " "	Wayne 20% Sucrene Dairy Feed.....
" " "	Wayne 16½% Dairy Feed.....
" " "	Wayne Ideal 16% Dairy Feed.....
" " "	Sucrene Egg Mash.....
" " "	Wayne Egg Mash.....
" " "	Wayne Egg Mash.....
" " "	Wayne Egg Mash.....
" " "	Wayne All Mash Grower.....
" " "	Wayne Poultry Fattener.....
" " "	Wayne Turkey Mash.....
" " "	Wayne Supreme Horse Feed.....
" " "	Emergency Hog Feed.....
" " "	*Wayne Scratch Feed.....
American Maize-Products Co., New York, N. Y.	Amaizo Gluten Meal.....
Arcady Farms Milling Co., Chicago, Ill.	*32% Dairy Feed.....
" " "	Old Colony Feed.....
" " "	Wonderfat Station Feed.....
" " "	Wonder Horse and Mule Feed.....
Archer-Daniels-Midland Co., Minneapolis, Minn.	Pure Old Process Linseed Meal.....
Ashcraft-Wilkinson Co., Atlanta, Ga.	Monarch Brand Prime Cotton Seed Meal.....
" " "	Helmet Brand Prime Cotton Seed Meal.....
" " "	Helmet Brand Prime Cotton Seed Meal.....
" " "	Helmet Brand Prime Cotton Seed Meal.....

* Means deficient in protein or fat.

† Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Cumberland.....	9.63	24.00	26.84	4.00	4.02	9.00	7.14	6.84	45.53	As declared on sack
Frederick.....	8.82	24.00	24.00	4.00	3.87	9.00	7.91	7.84	47.56	" "
Frederick.....	8.65	24.00	24.53	4.50	4.13	9.00	7.03	8.32	47.34	" "
Highland.....	10.78	20.00	20.67	4.00	3.31	9.00	6.42	7.01	51.81	" "
Cumberland.....	11.62	20.00	22.12	3.50	3.60	9.00	7.29	7.83	47.54	" "
Highland.....	10.33	18.00	20.34	3.00	4.06	9.00	7.79	6.90	50.58	" "
Cumberland.....	9.06	20.00	20.53	4.00	5.22	7.00	5.54	9.32	50.33	A.
Highland.....	8.04	20.00	21.59	4.00	6.03	7.00	4.95	7.98	51.41	B.
Highland.....	8.93	17.00	17.38	4.00	5.30	6.00	4.34	5.50	58.55	B.
Brunswick.....	9.11	17.00	18.08	4.00	4.80	6.00	4.48	5.90	57.63	B.
Friendsville.....	10.88	24.00	22.52	3.50	4.23	12.00	8.12	7.33	46.92	C.
Friendsville.....	9.68	18.00	19.57	4.00	5.41	6.00	5.70	6.48	53.16	As declared on sack
Grantsville.....	9.92	6.00	8.16	2.00	3.00	12.00	13.85	4.46	60.61	" "
Elkton.....	10.05	24.00	24.25	4.00	5.37	9.00	8.44	6.43	45.46	As declared on sack
Elkton.....	10.17	24.00	24.41	4.00	4.98	9.00	8.17	6.53	45.74	" "
Elkton.....	10.61	18.00	18.36	3.50	4.28	14.00	11.15	8.21	47.39	" "
Elkton.....	10.23	18.00	19.16	3.50	3.78	14.00	10.98	6.34	49.51	" "
Elkton.....	10.35	9.00	10.09	2.50	3.54	5.00	2.72	2.03	71.27	" "
Cumberland.....	9.79	32.00	33.50	4.00	4.03	9.00	5.31	8.59	38.78	As declared on sack
Forest Hill.....	8.37	32.00	34.29	4.00	4.12	9.00	5.92	9.19	38.11	" "
Forest Hill.....	9.49	32.00	35.25	4.00	4.19	9.00	6.39	8.92	35.76	" "
Cockeysville.....	9.59	24.00	24.73	3.50	3.59	9.00	5.97	8.71	47.41	" "
Oakland.....	10.75	20.00	23.66	3.50	5.36	12.50	7.73	9.51	42.99	D.
Cockeysville.....	9.57	16.50	18.20	4.00	5.22	12.00	10.30	8.44	48.27	E.
Cumberland.....	10.57	16.00	18.54	3.50	4.24	12.00	10.30	9.74	46.61	F.
Cumberland.....	9.83	18.00	18.78	3.50	5.44	8.00	6.59	8.05	51.31	As declared on sack
Cockeysville.....	9.76	18.00	17.99	3.50	5.48	7.00	5.26	8.36	53.15	" "
Oakland.....	10.48	18.00	19.66	3.50	4.80	7.00	5.17	7.55	52.34	" "
Forest Hill.....	9.32	18.00	18.62	3.50	5.77	7.00	5.71	9.37	51.21	" "
Maugansville.....	10.02	15.00	15.80	4.00	5.74	6.00	5.48	7.23	55.73	" "
Oakland.....	10.42	13.50	14.92	4.00	5.06	6.00	4.79	3.61	61.20	" "
Forest Hill.....	10.07	15.00	15.97	3.50	5.38	6.00	7.73	8.08	52.77	" "
Cockeysville.....	10.43	9.50	11.78	3.50	3.70	8.00	6.69	4.88	62.52	" "
Maugansville.....	11.27	14.00	15.94	3.00	3.66	7.00	5.83	6.14	57.16	" "
Cockeysville.....	10.25	10.00	10.79	2.50	1.95	5.00	2.07	1.31	73.62	" "
Baltimore.....	6.79	40.00	48.27	1.00	1.25	4.00	2.57	2.56	38.56	As declared on sack
Rising Sun.....	7.70	32.00	32.60	5.50	4.07	9.00	7.69	7.26	40.68	As declared on sack
Rising Sun.....	9.34	20.00	22.99	3.50	4.38	12.00	9.45	5.98	47.86	G.
Frostburg.....	8.19	12.50	14.83	4.50	4.68	6.00	5.72	2.93	63.65	As declared on sack
Baltimore.....	10.60	9.00	11.39	3.00	3.78	12.00	6.70	6.11	61.42	" " H.
Frederick.....	9.58	34.00	37.73	4.50	5.00	9.00	7.66	5.79	34.24	As declared on sack
Baltimore.....	6.77	43.00	45.11	6.00	8.29	10.00	8.28	5.60	25.95	As declared on sack
Barnesville.....	5.96	41.00	41.24	5.50	6.31	10.00	10.73	7.35	28.41	" "
Maugansville.....	6.52	41.00	41.07	5.50	6.01	10.00	10.15	7.94	28.31	" "
Baltimore.....	6.58	41.00	40.54	5.50	6.24	10.00	12.22	5.80	28.62	" "

A—Unable to detect wheat bran—also detected alfalfa meal.

B—Unable to detect wheat bran.

C—Also detected beet pulp and ground corn.

D—Also detected corn gluten feed.

E—Also detected whole weed seeds.

F—Also detected an oat product consisting chiefly of hulls.

G—Also detected ground oats.

H—Fibre guarantee on sack differs from license.

MANUFACTURER AND ADDRESS	NAME OF FEED
Ashcraft-Wilkinson Co., Atlanta, Ga. (Cont.)	Helmet Brand Prime Cotton Seed Meal....
" " "	Paramount Brand Prime Cotton Seed Meal.
Badger Grains & Feed Co., Milwaukee, Wis.	"Plowboy" Dried Grains.....
Balto. Feed & Grain Co., Baltimore, Md.	BBL. Selected Meat Scrap.....
" " "	BBL. Fish Meal.....
" " "	BBL. 24% Dairy Feed, with Molasses and Minerals.....
" " "	BBL. 20% Dairy Feed, with Molasses and Minerals.....
" " "	BBL. 16½% Dairy Feed, with Molasses and Minerals.....
" " "	BBL. Egg Mash.....
" " "	BBL. Broiler Mash.....
" " "	BBL. All Mash Growing Ration.....
" " "	BBL. Chick Developer.....
" " "	Pure Corn Meal.....
" " "	BBL. Baby Chick Feed.....
" " "	BBL. Special Breeding Pigeon Feed.....
" " "	† BBL. No. 3 Pigeon Feed without Corn or Wheat.....
" " "	BBL. No. 4 Pigeon Feed, with Wheat and Flint Corn.....
" " "	BBL. Recleaned Scratch Feed.....
" " "	Victory Brand Scratch Feed.....
Barker, Moore & Mein Co., Phila., Pa.	*Special Poultry Powder.....
Baugh & Sons Co., Baltimore, Md.	55% Fish Meal for Feeding.....
Geo. W. Biles Co., Inc., Providence, Md.	*Cecil County Dairy Feed.....
" " "	Cecil County Laying Mash.....
Bisbee Linseed Co., Philadelphia, Pa.	Linseed Meal.....
Blank & Gottshall Co., Inc., Sunbury, Pa.	Laying Mash, with BM.....
" " "	*Growing Mash, with BM.....
Blatchford Calf Meal Co., Waukegan, Ill.	† Heavy Weight Fattmash.....
F. W. Brode Corp., Memphis, Tenn.	Owl Brand 41% Prime Cotton Seed Meal...
Cairo Meal & Cake Co., Cairo, Ill.	Miss Cairo Brand 41% Protein Cotton Seed Meal.....
Cannon Valley Milling Co., Minneapolis, Minn.	Billie Feed.....
" " "	*Cannon Feed, with Ground Screenings N. Ex. M. R.....
" " "	Standard Wheat Middlings, with G. S.....
A. B. Caple Co., Toledo, Ohio.....	Alfalfa Meal.....
Central Chemical Co., Baltimore, Md.	**"Gro-All" Meat Scraps 55%.....
" " "	**"Gro-All" Meat and Bone Scrap 50%.....

* Means deficient in protein or fat.

† Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Cardiff.....	6.67	41.00	42.91	5.50	6.07	10.00	8.96	7.10	28.29	As declared on sack
Baltimore.....	7.55	36.00	36.36	5.00	5.57	14.00	16.83	5.88	28.81	A.
Cardiff.....	7.89	20.00	22.11	7.00	8.05	18.00	14.43	2.54	44.98	As declared on sack
Baltimore.....	5.94	55.00	54.93	8.00	10.69	3.00	2.81	24.64	.99	As declared on sack
Baltimore.....	8.15	55.00	60.99	6.00	7.19	2.00	.79	20.20	2.68	" "
Baltimore.....	9.47	24.00	24.92	5.00	5.15	8.00	7.53	8.62	44.31	" "
Baltimore.....	9.93	20.00	20.81	5.00	4.77	12.00	7.42	9.04	48.03	" "
Baltimore.....	11.00	16.50	19.58	3.00	4.36	13.00	6.23	9.63	49.20	H.
Raspeburg.....	10.03	20.00	20.18	4.50	5.03	7.00	5.35	10.28	49.13	" "
Baltimore.....	9.63	17.00	17.81	4.50	5.60	5.50	5.86	8.66	52.44	" "
Rosedale.....	10.61	14.00	15.18	3.50	5.41	3.50	3.45	7.00	58.35	" "
Baltimore.....	11.65	10.00	10.18	3.00	3.11	3.00	2.61	12.71	59.74	" "
Baltimore.....	13.02	9.00	9.39	4.00	4.13	2.00	1.87	1.35	70.24	" "
Baltimore.....	11.70	10.00	10.71	3.00	3.31	3.00	2.57	1.58	70.13	" "
Baltimore.....	10.90	14.00	13.43	3.00	4.21	4.00	3.82	2.62	65.02	" "
Hyattsville.....	8.68	14.50	15.36	3.00	3.29	4.00	4.02	2.44	66.21	" "
Baltimore.....	11.20	12.50	14.04	3.50	3.59	4.00	3.26	2.48	65.43	" "
Baltimore.....	10.28	10.00	10.27	3.00	3.01	3.00	3.05	1.72	71.67	" "
Baltimore.....	10.80	10.00	10.09	3.00	2.93	3.00	2.25	1.45	72.48	" "
Maugansville....	8.63	19.50	19.22	7.00	4.49	9.50	11.87	22.95	32.84	B. As decl'd on sack
Providence.....	7.41	55.00	56.78	8.00	8.50	3.00	.96	24.45	1.90	C.
Providence.....	9.59	24.00	25.10	5.00	4.36	9.00	7.57	8.24	45.14	D.
Providence.....	9.69	20.00	21.24	4.00	5.03	8.00	6.13	10.55	47.36	E.
Hagerstown.....	8.39	34.00	34.92	6.00	7.09	10.00	7.75	6.75	35.10	As decl'd on sack.F.
Frederick.....	10.75	18.00	20.62	5.00	5.46	6.00	7.91	8.06	47.20	As declared on sack
Frederick.....	9.54	18.00	19.57	6.00	3.80	7.00	4.89	6.74	55.46	" "
Hagerstown.....	10.29	13.00	14.92	4.00	2.84	4.50	3.68	6.05	62.22	As declared on sack
Laurel.....	6.07	41.00	44.93	5.00	6.40	10.00	10.33	6.60	25.67	As declared on sack
Providence.....	7.02	41.00	40.98	6.00	6.88	10.00	9.64	7.10	28.38	As declared on sack
Baltimore.....	10.56	17.00	19.92	3.25	2.84	4.00	2.02	2.66	62.00	As declared on sack
Cumberland.....	10.65	17.00	18.87	4.00	3.41	6.00	2.81	3.44	60.82	" "
Cumberland.....	8.80	16.00	18.52	4.50	5.38	9.50	6.34	4.65	56.31	" "
Baltimore.....	7.30	12.00	15.01	1.00	1.82	35.00	28.25	8.77	38.85	As declared on sack
Baltimore.....	5.02	55.00	52.92	8.00	11.61	2.00	2.07	27.35	1.03	As declared on sack
Baltimore.....	5.57	50.00	48.53	8.00	9.42	2.00	2.15	33.60	.73	" "

A—Product coarsely ground.

B—Protein, fat and fibre guarantee on sack differ from license.

C—Also detected crab meal.

D—Fat and fibre guarantee and ingredients on sack differ from license.

E—Ingredients on sack differ from license.

F—Fat guarantee on sack differs from license.

H—Also detected ground corn.

MANUFACTURER AND ADDRESS	NAME OF FEED
Central Chemical Co., Baltimore, Md. (Cont.)	"Gro-All" Meat and Bone Scrap 50%.....
" " " "	"Gro-All" Meat and Bone Scrap 50%.....
" " " "	"Gro-All" Poultry Bone Meal 20%.....
" " " "	"Gro-All" Fish Meal 55%.....
" " " "	"Gro-All" Fish Meal 55%.....
Central Feed Co., Baltimore, Md.	Yellow Yolk Egg Mash, with DBM.....
Center Milk Products Co., Middlebury Center, Pa.	Vita-Brand Dried Skim Milk.....
Chapin & Co., Hammond, Ind.	Unicorn Dairy Ration 24%.....
" " " "	Unicorn Dairy Ration 20%.....
Chewsville Cooperative Assoc., Chewsville, Md.	Thrivont Milk Maker.....
" " " "	*Thrivont Milk Maker.....
" " " "	Thrivont Laying Mash, with BM. & Cod Liver Oil.....
" " " "	Thrivont Laying Mash.....
" " " "	Thrivont Growing Feed.....
" " " "	*Thrivont Pig and Hog Meal.....
" " " "	Thrivont Stock Feed.....
Harry Clipp, Sharpsburg, Md.	Egg Mash.....
Commander Larabee Corp., Minneapolis, Minn.	‡Sunfed Wheat Flour Middlings, with ground Screenings N. Ex. M. R.....
" " " "	‡Sunfed Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.....
Community Mills, Liberty Grove, Md.	Stively's O. K. Laying Mash.....
G. E. Conkey Co., Cleveland, Ohio	*Dairy Feed 32% Protein.....
" " " "	*Dairy Feed 32% Protein.....
" " " "	Red Seal Dairy Feed 16% Protein.....
" " " "	Red Seal Dairy Feed 16% Protein.....
" " " "	‡30% Supplement Egg Mash, with Y-O.....
" " " "	Gecco Egg Mash, with Y-O.....
" " " "	Gecco Egg Mash.....
" " " "	Geccofat Station Fattener, with BM.....
" " " "	All Grain Horse & Mule Feed.....
" " " "	Easy-Mix Rabbit Feed, with Y-O.....
Consolidated By-Product Co., Phila., Pa.	Beef and Bone Scrap.....
Continental Milling Co., Ellicott City, Md.	Brewers' Dried Grains.....
Corn Products Refining Co., New York, N. Y.	Buffalo Corn Gluten Feed.....
" " " "	Buffalo Corn Gluten Feed.....
Davis-Cleaver Produce Co., Quincy, Ill.	‡Pure Dried Buttermilk.....
Deal Bros. Milling Co., Cumberland, Md.	Ho Mo Dairy Feed.....
" " " "	Diamond Dairy Feed.....
" " " "	Diamond Dairy Feed.....

* Means deficient in protein or fat.

‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Baltimore.....	5.16	50.00	52.13	8.00	11.69	2.00	1.92	28.54	.56	As declared on sack
Hagerstown.....	6.32	50.00	49.41	8.00	9.33	2.00	2.46	30.74	1.74	" "
Hagerstown.....	5.77	20.00	23.87	2.00	3.99	2.00	.62	63.30	2.45	" "
Hagerstown.....	7.78	55.00	60.72	6.00	8.19	1.00	.71	19.80	2.80	" "
Hagerstown.....	8.23	55.00	55.29	6.00	8.37	1.00	.65	19.20	8.26	" "
Baltimore.....	7.09	20.00	21.94	4.00	5.29	10.00	7.00	11.23	47.45	A.
Baltimore.....	.....	34.00	34.14	1.00	x1.90	.....	.....	8.15	.....	As declared on sack
Baltimore.....	7.00	24.00	26.14	4.50	4.14	10.00	8.49	10.24	43.99	As declared on sack
Baltimore.....	8.44	20.00	20.26	4.50	5.07	10.00	7.26	8.92	50.05	" "
Chewsville.....	8.48	23.00	25.45	5.00	4.83	7.00	10.86	9.03	41.35	B.
Chewsville.....	7.78	23.00	25.01	5.00	4.26	7.00	9.72	12.15	41.08	B.
Chewsville.....	9.12	19.00	22.46	5.00	5.66	8.00	6.30	9.78	46.68	As declared on sack
Chewsville.....	8.79	19.00	21.94	5.00	4.96	8.00	6.51	14.08	43.72	B.
Chewsville.....	8.80	16.00	18.60	4.00	4.92	6.00	4.99	10.29	52.40	As declared on sack
Chewsville.....	8.84	15.00	17.55	5.00	3.96	8.00	5.82	9.40	54.43	B.
Chewsville.....	10.37	10.00	13.85	3.00	3.79	9.00	9.81	6.19	55.99	As declared on sack
Sharpsburg.....	9.17	20.00	23.69	4.50	4.52	6.00	5.28	7.15	50.19	As declared on sack
Baltimore.....	10.30	16.00	19.31	4.00	5.19	6.00	6.31	4.52	54.37	As declared on sack
Oakland.....	10.25	14.50	18.25	4.00	5.66	9.50	7.73	4.96	53.15	" "
Liberty Grove...	11.10	20.00	20.09	4.50	5.82	7.00	7.56	9.89	45.54	As declared on sack
Hagerstown.....	8.20	32.00	33.83	5.00	4.30	12.00	8.60	9.03	36.04	As declared on sack
Hagerstown.....	8.02	32.00	33.16	5.00	4.34	12.00	8.74	8.32	37.42	" "
Baltimore.....	8.23	16.00	17.41	3.50	4.54	10.00	9.33	8.41	52.08	" "
Hagerstown.....	8.09	16.00	18.64	3.50	4.58	10.00	9.11	8.36	51.22	" "
Hagerstown.....	7.65	30.00	36.15	5.00	7.50	7.00	5.21	18.50	24.99	" "
Baltimore.....	9.46	20.00	21.67	5.00	6.74	7.00	5.20	9.70	47.23	" "
Frostburg.....	9.24	20.00	21.76	5.00	6.22	7.00	5.06	9.60	48.12	" "
Hagerstown.....	8.06	14.50	17.38	4.50	5.80	5.00	5.09	4.34	59.33	" "
Baltimore.....	9.42	9.50	12.01	3.75	3.65	9.50	6.57	4.73	63.62	" "
Hagerstown.....	8.40	18.50	18.52	4.00	5.72	8.00	5.58	7.78	54.00	C.
Providence.....	6.51	50.00	54.93	7.00	10.72	2.00	2.67	25.05	.12	As declared on sack
Baltimore.....	5.87	20.00	25.18	5.00	6.57	14.00	14.67	4.46	43.25	As declared on sack
Baltimore.....	10.77	23.00	26.59	2.00	2.50	8.50	7.89	6.30	45.95	As declared on sack
Maryland Line...	8.87	23.00	24.75	2.00	2.12	8.50	8.52	6.48	49.26	" "
Baltimore.....	.....	32.00	36.24	4.00	x6.62	.....	.....	13.10	.....	As declared on sack
Bel Air.....	10.50	24.00	24.40	5.00	5.18	10.00	10.74	7.70	41.48	D.
Bel Air.....	8.22	20.00	24.85	4.00	5.22	12.00	9.25	8.58	43.88	E.
Rockville.....	11.26	20.00	21.32	4.00	4.57	12.00	9.80	9.22	43.83	F.

A—Also detected cottonseed meal and bone meal.

B—Ingredients on sack differ from license.

C—Protein and fiber guarantee and ingredients on sack differ from license.

D—Fat guarantee on sack differs from license. Detected oat feed and not ground oats.

E—Detected oat feed and not ground oats.

F—Ingredients on sack differ from license. Unable to detect ground oats. Detected an oat by-product consisting chiefly of hulls.

x Fat as determined by the Rose-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Deal Bros. Milling Co., Cumberland, Md. (Continued).	Diamond Egg Mash..... Belgian Horse Feed..... Belgian Horse Feed..... Diamond Stock Feed..... Diamond Hog Feed..... Special Scratch Feed.....
" " " " " " " " "	
Decatur Milling Cy., Decatur, Ill.	Homco Hominy Feed.....
Denver Alfalfa Milling & Products Co., Lamar, Col.	Alfalfa Leaf Meal Leafalfa Brand..... Alfalfa Meal.....
Derwood Mill, Derwood, Md.	Dairy Feed 26%..... Dairy Feed 20%..... Growing Mash..... Hog and Pig Meal..... Turkey Mash.....
" " " " " " " " "	
Albert Dickinson Co., Chicago, Ill.	Globe Egg-Producer..... Globe Growing Ration.....
" " "	
Dietrich & Gambrill, Inc., Frederick, Md.	Gambrill's High Protein Dairy Feed..... Frederick Dairy Feed..... Dairy Feed..... Dairy Feed..... Gambrill's 16% Dairy Feed..... Gambrill's 16% Dairy Feed..... Gambrill's Laying Mash..... Frederick Laying Mash..... *Reground Oat Feed & Molasses..... Gambrill's Horse Feed..... Gambrill's Hog Meal..... *Frederick Scratch Feed..... Gambrill's Scratch Feed..... *Gambrill's Scratch Feed.....
" "	
Doughnut Machine Corp., Ellicott City, Md.	Domaco Pure Winter Wheat Bran..... Domaco Pure Winter Wheat White Middlings.....
" " "	
Duluth-Superior Milling Co., Duluth, Minn.	Imperial Wheat Bran, with G. S.....
Eastern Cotton Oil Co., Norfolk, Va.	Dutch Maid Cotton Seed Meal.....
Eastern Grain Growers, Hagerstown, Md.	Farmers Special 16% Sweet Dairy Feed..... Atlantic States Pure Flax Feed.....
" " "	
John W. Eshelman & Sons, Lancaster, Pa.	32% Mixing Ration..... Red Rose 24 Dairy Feed..... Red Rose 24 Dairy Feed..... Conestoga 20 Dairy Feed..... Lancaster 20 Dairy Feed..... Pennsy 16 Dairy Feed..... Red Rose Laying Mash..... Pennsy Laying Mash..... Pennsy Laying Mash.....
" "	

* Means deficient in protein or fat.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Bel Air.....	10.18	20.00	22.55	4.50	6.40	7.00	7.80	9.45	43.62	A.
Cumberland.....	11.62	7.00	12.14	3.00	3.92	10.00	8.05	5.55	58.72	As declared on sack
Bel Air.....	9.46	7.00	11.32	2.00	3.26	10.00	8.25	4.06	63.65	" " B.
Oakland.....	8.75	8.00	9.74	4.00	3.64	12.00	16.14	6.85	54.88	C.
Oakland.....	8.60	18.00	18.78	5.00	6.53	10.00	4.83	8.23	53.03	D.
Baltimore.....	10.14	10.00	12.37	2.50	2.63	3.00	4.60	2.52	67.74	E.
Baltimore.....	10.03	10.00	10.71	7.00	8.56	6.00	6.42	3.66	60.62	As declared on sack
Baltimore.....	7.76	20.00	20.88	1.50	2.17	18.00	16.99	15.28	36.92	As declared on sack
Hagerstown.....	8.33	14.00	17.46	1.50	1.51	30.00	29.53	7.60	35.57	" "
Derwood.....	9.19	26.00	25.02	4.00	4.83	9.00	7.05	7.01	46.90	F.
Derwood.....	9.87	20.00	20.17	4.00	5.10	9.00	7.07	6.38	51.41	G.
Derwood.....	8.86	17.00	20.53	4.00	5.27	6.00	4.86	8.95	51.53	As declared on sack
Derwood.....	9.45	17.00	17.20	4.00	4.53	6.00	4.98	8.86	54.98	H.
Derwood.....	7.14	18.00	20.62	4.00	5.87	6.00	8.15	19.76	38.46	As declared on sack
Fullerton.....	7.70	18.00	18.87	3.50	4.76	7.00	6.42	10.58	51.67	As declared on sack
Fullerton.....	8.37	15.00	14.92	4.00	5.08	5.50	4.41	7.50	59.72	" "
Feed. Sparks.....	8.52	32.00	33.51	5.00	5.19	9.00	7.13	9.22	36.43	As declared on sack
Sparks.....	8.89	24.00	24.46	4.00	4.62	12.00	11.19	9.00	41.84	" "
Bethesda.....	8.30	20.00	23.17	4.00	3.80	12.00	11.08	7.15	46.50	" "
Fallston.....	9.62	20.00	21.95	4.00	4.21	12.00	12.31	9.20	42.71	" "
Providence.....	11.66	16.00	17.80	3.50	4.01	12.00	10.85	8.63	47.05	I.
Fallston.....	10.02	16.00	18.95	3.50	5.08	12.00	12.20	8.82	44.93	I.
Hyattsville.....	8.77	20.00	21.67	5.00	5.34	7.00	5.35	7.64	51.23	As declared on sack
Bethesda.....	8.23	18.00	20.53	3.50	5.16	8.00	5.67	8.60	51.81	" "
Providence.....	11.30	4.50	5.27	1.50	.91	23.00	22.87	7.94	51.71	" " J.
Laurel.....	10.16	10.00	12.08	3.50	3.22	12.00	8.91	3.75	61.88	" "
Sparks.....	10.86	18.00	19.71	4.00	4.04	8.00	5.09	8.52	51.78	K.
Hyattsville.....	11.20	10.00	12.37	3.00	2.46	4.00	2.75	1.76	69.46	E.
Sparks.....	11.40	10.00	10.79	3.00	2.93	4.00	2.81	1.45	70.62	As declared on sack
Hyattsville.....	11.42	10.00	12.29	3.00	2.41	4.00	3.01	1.75	69.12	" "
Baltimore.....	9.50	14.50	15.45	4.00	4.49	9.50	8.42	5.56	56.58	As declared on sack
Baltimore.....	11.60	16.00	17.99	5.00	5.47	3.25	3.02	3.75	58.17	" "
Cumberland.....	8.90	15.00	18.60	3.75	5.16	13.00	9.21	5.50	52.63	As declared on sack
Baltimore.....	6.73	41.00	41.07	5.50	6.16	10.00	10.21	6.60	29.23	As declared on sack
Hagerstown.....	10.68	16.00	20.75	3.00	6.06	12.00	10.27	8.66	43.58	I.
Maugansville.....	8.64	18.00	18.43	12.00	11.65	12.00	9.46	5.39	46.43	As declared on sack
Rising Sun.....	9.94	32.00	33.50	5.00	4.51	9.00	7.37	8.40	36.28	As declared on sack
Baltimore.....	8.20	24.00	26.39	4.00	4.28	11.00	7.95	8.45	44.73	" "
Rising Sun.....	11.19	24.00	24.87	4.00	3.96	11.00	7.54	8.92	43.52	" "
Rising Sun.....	11.49	20.00	21.02	4.00	4.39	11.00	8.07	9.68	45.35	" "
Elkton.....	10.63	20.00	23.03	4.00	3.96	11.00	7.61	9.47	45.30	" "
Elkton.....	11.22	16.00	18.82	3.00	4.72	11.00	7.79	8.90	48.55	" "
Elkton.....	10.67	20.00	22.38	5.00	5.76	7.00	5.89	9.90	45.0	" "
Cumberland.....	9.10	18.00	21.49	5.00	4.99	8.00	5.28	8.88	50.26	" "
Cumberland.....	9.85	18.00	21.01	5.00	4.85	8.00	5.68	7.92	50.69	" "

A—Also detected wheat bran and alfalfa meal.

C—Also detected cottonseed meal, molasses and mineral.

E—Unable to detect sunflower seed.

F—Unable to detect peanut meal and beet pulp—also detected soy bean meal, dried brewers grains and calcium carbonate.

G—Also detected soy bean meal, dried brewers grains, ground wheat and screenings—unable to detect peanut meal.

H—Unable to detect peanut meal—also detected ground wheat and screenings.

I—Ingredients on sack differ from license.

J—Protein, fat and fibre guarantee on sack differ from license.

K—Also detected ground wheat and ground barley.

B—Fat guarantee on sack differs from license.

D—Also detected sulphur.

MANUFACTURER AND ADDRESS	NAME OF FEED
John W. Eshelman & Sons, Lancaster, Pa. (Continued).	Red Rose Hog Meal.....
Fairchild Milling Co., Cleveland, Ohio.	Red Rose Scratch Feed.....
" " "	Wheat Bran, with Ground Screenings, N. Ex. M. R.....
Fairmont Creamery Co., Omaha, Neb.	*Special Fine Middlings.....
" " "	Better Pure Flake Buttermilk.....
Farmers Feed Co., New York, N. Y.	Better Pure Flake Buttermilk.....
Federal Milling Co., Hagerstown, Md.	Molasses Bull Brand Dried Brewers Grains.
" " "	Grow Big Hog Feed.....
General Mills, Inc., Minneapolis, Minn.	†Pigeon Feed.....
Green-Mitch Co., Washington, D. C.	†North Star Dairy Ration.....
Hales & Hunter Co., Chicago, Ill.	"Green Tag Brand" Cottonseed Meal.....
R. L. Heflin, Inc., Sherman, Texas.	Red Comb Egg Mash, with DBM.....
Hespenheide & Thompson, York, Pa.	41% Brand Cottonseed Cake or Meal.....
" " "	Premier 32% Farm Mixing Feed.....
" " "	Premier 20% Dairy Feed.....
" " "	Premier 16% Dairy Feed.....
Hubinger Co., Keokuk, Iowa.	York Scratch Feed.....
Humphreys-Godwin Co., Memphis, Tenn.	Ke OK uk Corn Gluen Feed.....
International Milling Co., Minneapolis, Minn.	Dixie Brand Cottonseed Meal.....
W. J. Jennison Co., Minneapolis, Minn.	Blackhawk Wheat Red Dog.....
" " "	Sweet Cream Pure Wheat Bran.....
" " "	Sweet Cream Wheat Flour Middlings, with G. S. N. Ex. M. R.....
" " "	Sweet Cream Red Dog.....
R. D. Johnson Milling Co., Cumberland, Md.	Atlas Dairy Ration.....
" " "	Atlas Egg Mash.....
Kansas Flour Mills Corp., Kansas City, Mo.	Big Flake Pure Wheat Bran.....
Kasco Mills, Inc., Waverly, N. Y.	32% Mixing Feed.....
" " "	Apex Heavy Flow Dairy Feed.....
" " "	Beatsall Milk Grains.....
" " "	*16% Dairy Feed.....
" " "	Laying Mash.....
" " "	†Poultry Fattener.....
" " "	Apex Sugared Chop.....
" " "	†Apex Sugared Chop.....
" " "	†Horse Feed 85% Grain.....
" " "	Pig Hog Feed.....
" " "	†Oc-Sak Scratch Grains.....

* Meas deficient in protein or fat.

† Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	-INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Baltimore.....	9.13	16.00	18.78	5.00	5.00	10.00	7.51	7.85	51.73	As declared on sack
Elkton.....	11.50	10.00	10.09	2.50	2.30	4.00	2.11	1.91	72.09	" "
Baltimore.....	8.41	14.00	17.55	3.50	4.84	12.00	9.43	6.95	52.82	As declared on sack
Frederick.....	10.49	15.00	15.01	3.50	2.45	8.00	1.56	1.83	68.66	" "
Maugansville.....		32.00	32.12	6.00	x7.21			11.74		As declared on sack
Maugansville.....		32.00	32.03	6.00	x6.29			10.60		" "
Colora.....	8.64	20.00	25.06	6.00	6.54	17.00	14.70	4.02	41.04	As declared on sack
Hagerstown.....	8.44	14.50	17.38	4.50	4.14	8.00	4.53	6.64	58.87	As declared on sack
Hagerstown.....	11.35	10.00	15.01	2.50	3.33	6.50	3.90	2.15	64.26	" "
Grantsville.....	10.99	16.00	18.04	4.00	3.79	12.00	9.43	7.88	49.87	As declared on sack
Hagerstown.....	6.70	41.00	41.51	6.00	6.23	10.00	10.39	7.34	27.83	As declared on sack
Cumberland.....	8.08	18.00	20.27	4.00	5.85	7.00	6.24	9.15	50.41	As declared on sack
Derwood.....	6.43	41.00	41.94	5.00	6.56	14.00	10.08	5.45	29.54	As declared on sack
Parkton.....	10.00	32.00	32.78	4.50	4.56	10.00	6.13	7.76	38.77	As declared on sack
Parkton.....	8.96	20.00	24.39	4.00	4.51	12.00	8.80	7.95	45.39	" "
Parkton.....	10.40	16.00	18.64	3.00	4.89	12.00	6.73	9.94	49.40	A.
Parkton.....	11.20	9.00	10.79	3.00	2.51	5.00	2.95	2.45	70.10	B.
Hagerstown.....	10.30	23.00	25.80	2.00	3.02	8.50	7.27	5.48	48.13	As declared on sack
Colora.....	7.99	41.00	41.07	5.00	6.80	12.00	8.76	7.10	28.28	As declared on sack
Baltimore.....	10.30	16.00	17.11	3.50	3.79	4.00	2.62	3.56	62.62	As declared on sack
Friendsville.....	9.50	15.50	17.81	4.00	5.02	12.00	9.58	6.80	51.29	As decl'd on sack. C.
Friendsville.....	11.17	16.00	18.34	4.00	4.10	6.00	4.84	4.90	56.65	" "
Friendsville.....	10.35	16.00	19.66	3.50	3.03	4.00	2.12	3.20	61.64	" "
Cumberland.....	9.94	22.00	20.41	4.00	4.60	12.00	9.74	8.94	46.37	D.
Cumberland.....	9.30	20.00	21.50	4.00	5.45	9.00	6.52	11.25	45.98	E.
Baltimore.....	9.60	15.00	16.76	3.40	5.25	11.00	10.36	7.16	50.87	As declared on sack
Oakland.....	8.84	32.00	33.68	5.00	4.93	10.00	8.58	7.60	36.37	As declared on sack
Oakland.....	9.98	24.00	25.69	4.50	4.42	12.00	10.48	6.64	42.79	" "
Cumberland.....	8.46	22.00	24.13	4.50	5.57	10.00	7.84	6.46	47.54	" "
Cumberland.....	9.89	16.00	19.50	4.50	3.73	12.00	10.73	7.90	48.25	" "
Cumberland.....	8.89	20.00	21.06	4.00	5.65	6.50	5.49	10.90	48.01	" "
Oakland.....	9.45	13.00	15.01	4.50	5.73	5.00	3.59	3.94	62.28	" "
Oakland.....	10.34	7.50	11.05	3.00	4.38	12.00	11.98	5.62	56.63	" "
Hancock.....	8.48	7.50	9.39	3.00	4.01	12.00	13.45	5.78	58.89	" "
Hancock.....	10.68	9.00	11.31	3.00	3.64	10.00	7.17	3.72	63.48	" "
Oakland.....	9.63	17.00	18.95	4.50	5.75	7.50	6.70	7.10	51.87	" "
Hancock.....	10.82	9.00	11.41	2.50	2.15	4.00	3.06	1.53	71.03	" "

A—Also detected whole weed seeds.

B—Unable to detect sunflower seed and kaffir—also detected milo.

C—Protein guarantee on sack differs from license.

D—Protein, fat and fibre guarantee and ingredients on sack differ from license. Unable to detect soy bean meal and corn gluten feed—also detected buckwheat midds, oat product, wheat midds and salt 4.29%.

E—Protein and fibre guarantee and ingredients on sack differ from license.

x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Keedysville Milling Co., Inc., Keedysville, Md.	Eureka Dairy Feed.....
“ “ “	Eureka Laying Mash.....
L. Kellum & Co., Baltimore, Md.	Dry Mash.....
“ “ “	Scratch Grains.....
King Bros. & Co., Philadelphia, Pa.	*Pure Dried Buttermilk.....
H. H. King Flour Mills Co., Minneapolis, Minn.	Fancy "Brodfake".....
Chas. F. Knock, Frederick, Md.	Laying Mash.....
H. Curtis Krout, Maryland Line, Md.	Dairy Feed.....
“ “ “	Laying Mash.....
“ “ “	Egg Mash.....
Land O'Lakes Creameries, Inc., Minneapolis, Minn.	Dried Buttermilk.....
R. H. Lansdale, Sandy Springs, Md.	Pure Wheat Bran.....
“ “ “	*Pure Wheat Middlings.....
Larabee Flour Mills Co., Kansas City, Mo.	†Pure Winter Wheat Flour Middlings.....
Larroe Milling Co., Detroit, Mich.	Larro The Ready Ration for Dairy Cows....
“ “ “	Larro The Ready Ration for Dairy Cows....
“ “ “	Larro Broiler Feed.....
“ “ “	Larro Hog Feed.....
“ “ “	Larro Hog Feed.....
“ “ “	Larro Turkey and Game Bird Developer....
L. B. Lovitt & Co., Memphis, Tenn.	"Lovit Brand" 41% Cottonseed Meal.....
“ “ “	"Lovit Brand" 41% Cottonseed Meal.....
Maritime Milling Co., Inc., Buffalo, N. Y.	*Farmers B. B. Mixing Feed Sweetened.....
“ “ “	B. B. Hi-Test Dairy Feed 20% Protein Sweetened.....
“ “ “	B. B. "20" Dairy Ration.....
“ “ “	B. B. Marmico 16% Protein Dairy Feed, with Molasses.....
“ “ “	B. B. Laying Mash Vitamized.....
“ “ “	*B. B. Pigeon Feed.....
May Flower Mills, Fort Wayne, Ind.	Wheat Bran, with G. S. not exceed 8%.....
Mennel Milling Co., Toledo, Ohio.	Memo Soft Wheat Flour Middlings, with M. R. S.....
Henry Mesner & Son, Baltimore, Md.	E-Z-Fed Dairy Feed.....
“ “ “	E-Z-Fed Calf Meal.....
“ “ “	E-Z-Fed Laying Mash, with B.M., Cod Liver Oil and Minerals.....
National Milling Co., Toledo, Ohio.	Pure Wheat Bran.....

* Means deficient in protein or fat.

† Not licensed at time of sale.

A—F
B—A
C—P
D—A
x Fat

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Keedysville.....	8.50	17.00	17.90	4.47	4.37	8.43	7.97	9.93	51.33	As declared on sack
Keedysville.....	8.23	20.00	22.29	5.00	4.54	7.00	5.41	11.00	48.53	" " A.
Baltimore.....	7.36	16.00	21.32	3.50	4.38	10.00	8.17	18.35	40.42	B.
Baltimore.....	11.30	10.00	12.29	3.00	3.99	5.00	3.24	3.30	65.88	As declared on sack
Baltimore.....	.....	32.00	30.71	2.00	x2.25	.....	.....	9.22	.....	As declared on sack
Baltimore.....	10.60	14.50	17.02	4.00	5.25	11.00	10.36	6.56	50.21	As declared on sack
Frederick.....	9.10	18.00	20.62	3.00	6.09	10.00	5.46	8.00	50.73	As decl'd on sack.C.
Maryland Line...	8.13	20.00	22.53	4.00	4.63	12.00	7.98	8.19	48.54	As declared on sack
Maryland Line...	9.74	19.00	20.97	5.00	5.35	6.50	4.09	10.44	49.41	" "
Maryland Line...	9.61	20.00	22.38	4.00	4.88	7.00	5.78	9.80	47.55	D.
Baltimore.....	.....	30.00	32.82	3.00	x5.85	.....	.....	7.90	.....	As declared on sack
Sandy Springs...	9.24	14.00	17.55	4.00	4.06	10.00	7.74	4.91	56.50	As declared on sack
Sandy Springs...	10.61	15.00	15.71	4.00	3.15	6.00	2.35	2.04	66.14	" "
Baltimore.....	9.90	17.00	17.72	4.50	4.44	6.00	4.75	5.83	57.36	As declared on sack
Baltimore.....	8.85	20.00	21.41	4.00	3.93	12.00	10.84	6.15	48.82	As declared on sack
Rising Sun.....	9.76	20.00	21.06	4.00	3.72	12.00	9.72	6.76	48.98	" "
Baltimore.....	8.29	15.00	17.72	4.50	5.80	7.00	4.40	9.96	53.83	" "
Baltimore.....	4.19	18.00	19.92	5.00	6.32	10.00	8.65	8.46	52.46	" "
Silver Spring....	8.72	18.00	19.74	5.00	5.27	10.00	7.71	7.82	50.74	" "
Baltimore.....	8.20	16.50	18.60	4.50	5.13	7.00	6.04	10.02	52.01	" "
Sparks.....	7.44	41.00	42.56	6.00	5.89	10.00	8.99	7.32	27.80	As declared on sack
Carson's Run....	5.85	41.00	42.65	6.00	6.93	10.00	8.05	7.50	29.02	" "
Colora.....	9.43	32.00	33.44	5.00	4.45	10.00	10.62	6.37	35.69	As declared on sack
Norbeck.....	9.47	20.00	20.58	4.50	4.24	12.00	9.39	11.18	45.14	" "
Colora.....	10.25	20.00	20.53	4.50	4.90	11.00	9.01	9.63	45.68	" "
Norbeck.....	9.69	16.00	16.68	4.00	4.30	12.00	10.22	12.75	46.36	" "
Norbeck.....	8.43	20.00	21.32	4.50	5.80	7.00	6.74	10.72	46.99	" "
Baltimore.....	10.67	11.00	13.69	4.00	2.63	4.00	4.13	2.26	66.62	" "
Elkton.....	8.30	13.00	15.09	3.40	3.50	11.00	10.23	6.44	56.44	As declared on sack
Grantsville.....	10.25	15.00	16.50	4.00	4.73	6.50	6.44	4.50	57.58	As declared on sack
Baltimore.....	7.69	20.00	21.59	4.00	5.04	12.00	8.66	10.45	46.57	As declared on sack
Baltimore.....	7.58	22.00	24.13	4.00	3.86	5.00	4.07	7.12	53.24	" "
Baltimore.....	7.17	20.00	21.50	4.00	5.07	7.00	7.64	13.45	45.17	" "
Cumberland.....	11.60	14.00	17.38	3.00	4.27	10.00	9.84	6.65	50.26	As declared on sack

A—Fat and fibre guarantee on sack differ from license.

B—Also detected corn gluten feed and steamed bone.

C—Protein guarantee on sack differs from license.

D—Also detected small amount of fine ground oats.

x Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
Newsome Feed & Grain Co., Pittsburgh, Pa.	Palmo Midds.....
Norton & Co., Washington, D. C.	Bone and Meat Scrap.....
Nowak Milling Corp., Hammond, Ind.	*Domino 24½% Dairy Feed.....
" " "	Domino Egg Pel-ets.....
" " "	Domino Laying Mash, with BM.....
" " "	Domino Vim-O-Lene Horse Feed.....
" " "	Calumet Wheat and Corn Mixture.....
" " "	Domino Scratch Feed.....
Geo. F. Obrecht, Baltimore, Md.	‡Laying Mash.....
P. Frederick Obrecht & Son, Balto., Md.	Laying Mash, with BM.....
" " "	Growing Mash, with DBM.....
Owings Bros., York, Pa.	June Bug 22% Dairy Feed.....
Park & Pollard Co., Buffalo, N. Y.	*Milk-Maid 24% Sweetened Dairy Ration...
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	Alfalfa Stem-Meal.....
Phoenix Flour Mills, Davenport, Iowa.	Hard Wheat Standard Middlings, with M. R. of Screenings.....
" " "	‡Wheat Standard Middlings, with M. R. S...
Pillsbury Flour Mills Co., Minneapolis, Minn.	Hard Wheat Bran and Screenings.....
Planters Nut & Chocolate Co., Suffolk, Va.	"41" Peanut Meal.....
Pratt Food Co., Hammond, Ind.	Sweet 24% Dairy Feed.....
" " "	Laying Mash, with BM.....
" " "	Laying Mash, with BM.....
" " "	Growing Mash, with BM.....
" " "	Horse Feed.....
" " "	Pig Feed.....
" " "	Rabbit Feed, with BM. (Pellet Form).....
" " "	Pigeon Feed with Corn.....
" " "	Pigeon Feed, No Corn.....
" " "	Large Scratch Feed.....
Prichard Co., Inc., Frostburg, Md.	No. 2 Chop.....
Proctor & Gamble Distributing Co., Cincinnati, Ohio.	Cocoanut Oil Meal.....
Quaker Oats Co., Chicago, Ill.	24% Protein Dairy Ration.....
" " "	20% Protein Dairy Ration.....
" " "	Ful-O-Pep Egg Mash.....
" " "	Ful-O-Pep Egg Mash.....
" " "	Ful-O-Pep Egg Mash.....
" " "	Sugared Schumacher Feed.....
" " "	18% Protein Pig-N-Hog Meal.....

* Means deficient in both protein and fat.
‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Derwood.....	4.90	16.00	16.50	7.00	9.51	9.00	6.54	5.41	57.14	As declared on sack
Hyattsville.....	6.08	50.00	50.90	10.00	12.57	2.00	1.78	26.32	2.35	As declared on sack
Berwyn.....	9.37	24.50	22.51	5.00	4.23	10.00	7.76	11.84	44.29	As declared on sack
Berwyn.....	8.01	20.00	20.01	4.50	6.53	7.50	5.65	8.82	50.98	" "
Berwyn.....	8.07	20.00	20.53	4.50	5.58	7.50	5.74	14.10	45.98	" "
Berwyn.....	10.91	9.50	9.84	3.00	2.78	9.00	5.16	2.62	68.69	" "
Berwyn.....	10.13	9.00	12.46	2.00	2.08	5.00	2.26	1.60	71.47	" "
Berwyn.....	10.17	10.00	11.76	2.00	2.55	4.00	2.79	1.65	71.08	" "
Towson.....	9.80	20.00	19.92	4.00	4.83	9.00	5.99	12.88	46.58	As declared on sack
Baltimore.....	5.62	20.00	21.59	4.00	6.43	8.00	9.22	8.50	48.64	As declared on sack
Baltimore.....	9.57	18.00	18.60	3.50	5.09	8.00	5.93	7.95	52.86	" "
Parkton.....	9.01	22.00	25.36	4.00	4.38	11.00	9.11	8.00	44.14	As declared on sack
Oakland.....	10.23	24.00	26.98	4.50	3.69	11.00	7.95	7.82	43.33	As declared on sack
Cumberland.....	8.36	10.00	11.14	.80	1.14	39.00	36.36	7.74	35.26	As declared on sack
Baltimore.....	8.35	16.00	17.11	4.00	4.75	9.50	7.58	6.44	55.77	As declared on sack
Laurel.....	8.32	16.00	17.11	4.00	5.01	9.50	7.71	6.09	55.76	" "
Baltimore.....	9.39	14.00	17.11	4.00	5.61	12.00	9.89	6.55	51.45	As declared on sack
Baltimore.....	6.57	41.00	43.26	6.00	8.24	10.00	4.66	5.79	31.48	As declared on sack
Trego.....	10.56	24.00	25.09	4.00	4.17	10.00	8.57	8.15	43.46	As declared on sack
Baltimore.....	9.31	20.00	21.94	4.00	5.54	6.75	5.41	9.84	47.96	" "
Trego.....	8.92	20.00	21.67	4.00	4.70	6.75	6.76	10.55	47.40	" "
Baltimore.....	8.00	17.50	18.95	4.50	5.25	7.00	5.43	11.84	50.53	" "
Baltimore.....	9.22	9.00	12.46	2.00	3.54	10.00	6.95	3.31	64.52	" "
Trego.....	8.41	20.00	23.87	4.00	5.14	7.00	6.56	8.57	47.45	" "
Baltimore.....	9.20	12.00	15.89	2.75	3.71	12.00	6.78	7.58	56.84	" "
Baltimore.....	11.15	12.00	14.74	2.00	3.65	4.00	3.32	2.46	64.68	" "
Baltimore.....	11.20	12.00	13.60	2.00	2.21	4.00	3.98	2.52	66.49	" "
Baltimore.....	11.20	10.00	11.67	2.00	2.86	4.00	3.03	2.02	69.22	" "
Lonaconing.....	8.77	8.00	9.04	3.00	3.95	18.00	14.25	4.12	59.87	As declared on sack
Hagerstown.....	8.28	20.00	20.62	6.00	6.31	11.00	11.07	7.68	46.04	As declared on sack
Cumberland.....	8.99	24.00	23.94	4.00	4.57	12.00	10.87	7.26	44.37	As declared on sack
Grantsville.....	8.86	20.00	20.85	3.25	3.97	12.00	11.57	7.86	46.89	" "
Baltimore.....	8.74	20.00	21.26	4.50	5.60	8.00	6.58	8.42	49.40	" "
Hyattsville.....	8.11	20.00	20.74	4.50	5.44	8.00	7.42	7.15	51.14	" "
Cumberland.....	7.74	20.00	21.59	4.50	5.57	8.00	6.93	7.62	50.55	" "
Grantsville.....	8.57	10.00	11.44	3.00	4.28	12.00	12.18	6.67	56.86	" "
Baltimore.....	9.31	18.00	20.22	3.50	4.43	10.00	8.01	9.12	48.91	" "

MANUFACTURER AND ADDRESS	NAME OF FEED
Quisenberry Feed Mfg. Co., Buffalo, N. Y.	Quality 32% Dairy Feed..... Quality More Egg Laying Mash..... Quality Blue Ribbon Laying Mash..... Quality Blue Ribbon Growing Mash..... Quality Calf Meal, with Skim Milk.....
Ralston Purina Co., St. Louis, Mo.	Purina 34% Cow Chow..... Purina 34% Cow Chow..... Purina 24% Cow Chow (Buffalo Mill)..... Purina 24% Cow Chow (Buffalo Mill)..... Protana 24% Dairy Feed (Buffalo Mill)..... Purina 20% Cow Chow (Buffalo Mill)..... Purina 20% Cow Chow (Buffalo Mill)..... Purina 20% Cow Chow (Buffalo Mill)..... Purina 20% Cow Chow (Buffalo Mill)..... Purina 20% Cow Chow (Buffalo Mill)..... Purina Fitting Chow..... Purina 32% Egg Chowder Containing Mineral..... Purina 32% Egg Chowder Containing Mineral..... Purina Egg Chowder Containing Mineral..... Purina Egg Chowder Containing Mineral..... Purina Egg Chowder Containing Mineral..... Purina Breeder Egg Chowder Containing Mineral..... Purina Lay Chow Containing Mineral..... Purina All Mash Startena Chow Containing Mineral..... Purina Bulky Las Chow (Buffalo Mill)..... Purina Omolene Chow..... Purina Omolene Chow..... Purina Pig Chow..... Purina Fox Chow..... Purina Fox Chow..... Purina Chick Growena Chow Containing Mineral..... Purina Rabbit Chow..... Protana Scratch Feed (Buffalo Mill).....
Reading Bone Fertilizer Co., Reading, Pa.	‡Meat Meal.....
A. F. Rees, Hanover, Pa.	†Meat Scrap..... *Meat Scrap.....
Daniel Rider, Inc., Baltimore, Md.	Winner 24% Dairy Feed..... Winner 20% Dairy Feed..... Winner 16% Dairy Feed.....
Robin Hood Mills, Ltd., Moose Jaw, Canada.	‡Superior Economy Oat Middlings.....
Robinson Bros., Cardiff, Md.	32% Dairy Ration..... 24% Dairy Ration..... 20% Dairy Ration..... 20% Dairy Ration..... *Laying Mash..... Laying Mash.....

* Means deficient in protein or fat.

† Means deficient in both protein and fat.

‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE ₁		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Hagerstown.....	7.06	32.00	31.59	5.10	4.77	10.00	11.02	7.85	37.71	As declared on sack
Hagerstown.....	8.38	19.00	19.13	4.00	4.79	7.00	6.94	11.31	49.45	A.
Hagerstown.....	8.42	18.00	20.45	4.00	5.11	8.00	7.48	10.87	47.67	As declared on sack
Hagerstown.....	8.74	16.00	17.72	4.00	4.43	7.00	6.99	9.16	52.96	" "
Hagerstown.....	9.34	24.00	27.82	5.00	4.72	7.00	5.34	5.19	47.59	" "
Rockville.....	8.37	34.00	37.21	3.00	3.97	12.00	9.34	8.71	32.40	As declared on sack
Maugansville.....	8.38	34.00	37.54	3.00	3.92	12.00	8.66	6.60	34.90	" "
Mt. Lake Park.....	10.46	24.00	26.23	3.00	4.39	12.00	8.92	7.60	42.40	" "
Rockville.....	8.76	24.00	25.89	3.00	4.31	12.00	6.41	6.93	47.70	" "
Crisfield.....	9.40	24.00	25.86	3.00	4.86	14.00	10.24	6.76	42.88	B.
Mt. Lake Park.....	9.58	20.00	23.36	3.00	4.50	12.00	10.56	6.20	45.80	As declared on sack
Towson.....	10.27	20.00	20.14	3.00	4.24	12.00	10.46	6.87	48.02	" "
Hyattsville.....	9.51	20.00	21.78	3.00	4.29	12.00	10.35	8.45	45.62	" "
Crisfield.....	10.47	20.00	20.10	3.00	4.10	12.00	10.74	7.91	46.68	" "
Rockville.....	11.19	13.50	16.33	2.60	3.12	12.00	11.52	8.44	49.40	" "
Hancock.....	7.73	32.00	35.36	3.00	4.03	8.00	7.24	12.70	32.94	" "
Maugansville.....	8.41	32.00	34.66	3.00	3.67	8.00	8.36	13.03	31.87	" "
Baltimore.....	9.05	19.00	20.45	3.50	4.90	8.00	7.32	10.84	47.44	" "
Towson.....	9.92	19.00	20.62	3.50	4.57	8.00	6.61	10.60	47.68	" "
Rockville.....	8.82	19.00	21.41	3.50	4.91	8.00	7.17	10.56	47.13	" "
Baltimore.....	8.57	19.00	21.94	3.50	5.82	8.00	7.20	11.10	45.37	" "
Boonsboro.....	9.51	17.00	18.31	2.50	4.24	8.00	6.38	9.74	51.82	" "
Baltimore.....	9.27	18.00	20.18	4.00	5.40	7.00	4.86	8.25	52.04	" "
Mt. Lake Park.....	10.80	9.00	13.35	1.30	2.55	15.00	13.78	7.15	52.37	" "
Baltimore.....	10.69	9.70	12.39	3.20	3.71	9.00	7.48	5.35	60.38	" "
Hyattsville.....	10.78	9.70	11.49	3.20	3.81	9.00	6.25	4.06	63.61	" "
Baltimore.....	9.72	25.00	29.03	3.20	4.78	8.00	8.05	11.41	37.01	" "
Towson.....	9.72	20.00	21.85	3.00	4.18	4.00	1.72	6.65	55.88	" "
Towson.....	9.41	20.00	23.04	3.00	4.02	4.00	4.01	7.22	52.30	" "
Mt. Lake Park.....	9.76	16.30	17.90	3.50	4.84	7.00	6.13	8.30	53.07	" "
Hyattsville.....	7.66	16.00	19.22	3.50	4.49	8.00	6.47	9.19	52.97	" "
Crisfield.....	11.70	9.50	10.53	2.00	2.54	4.00	2.07	1.31	71.85	" "
Hancock.....	5.06	50.00	55.29	10.00	9.89	1.00	2.08	20.85	6.83	As declared on sack
Reid.....	7.21	60.00	58.36	10.00	7.88	2.25	1.72	23.84	.99	As decl'd on sack, C.
Cumberland.....	8.79	50.00	55.64	10.00	8.20	2.25	2.28	21.80	3.29	D.
Baltimore.....	8.49	24.00	28.44	4.50	4.51	10.00	6.10	7.02	45.44	As declared on sack
Baltimore.....	10.50	20.00	20.20	4.00	3.87	11.00	7.36	6.97	51.10	" "
Baltimore.....	10.29	16.00	16.94	3.00	2.98	11.50	11.23	6.92	51.64	A.
Baltimore.....	9.60	16.00	16.23	7.00	6.86	11.00	11.20	4.62	51.49	As declared on sack
Cardiff.....	9.54	32.00	34.16	5.00	5.14	9.50	7.89	8.51	34.76	As declared on sack
Cardiff.....	10.72	24.00	24.71	5.00	4.64	10.50	8.93	8.32	42.68	" "
Cardiff.....	9.63	20.00	21.34	4.50	4.59	10.00	9.98	7.45	47.01	" "
Cardiff.....	10.78	20.00	22.40	4.50	4.44	10.00	10.00	7.98	44.40	" "
Cardiff.....	9.39	20.00	20.62	4.75	4.18	10.00	7.71	10.78	47.32	" "
Cardiff.....	7.69	20.00	20.18	4.75	4.43	10.00	8.98	11.70	47.02	" "

A—Ingredients on sack differ from license.

B—Also detected soy bean meal, alfalfa meal and charcoal.

C—Fibre guarantee on sack differs from license.

D—Also detected a small amount of vegetable material.

MANUFACTURER AND ADDRESS	NAME OF FEED
Ronck & Bevis Co., Philadelphia, Pa.	Ro-Be Crab Meal.....
“ “ “	‡Ro-Be Crab Meal.....
“ “ “	Tomato Seeds Pulp and Skins for Feeding
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	Esskay Quality Meat Scrap.....
Schultz, Baujan & Co., Beardstown, Ill.	Honest 16% Dairy Feed.....
“ “ “	Critic Egg Mash.....
“ “ “	‡Critic Calf Meal.....
“ “ “	‡Corn Feed Meal.....
“ “ “	‡Honest Scratch Feed.....
Seaboard Products, Inc., Baltimore, Md.	*50% Meat and Bone Scrap.....
“ “ “	*50% Meat and Bone Scrap.....
“ “ “	Terrapin Brand Fish Meal.....
E. Wade Smith, Smithsburg, Md.	Hog Feed.....
Spratt's Patent (AM), Ltd., Newark, N. J.	‡Pheasant Meal.....
A. E. Staley Mfg. Co., Decatur, Ill.	Corn Gluten Feed.....
Star Food & Remedy Co., Washington, D. C.	Golden Glow Dairy Ration.....
“ “ “	Laying Mash, with Milk.....
“ “ “	Laying Mash, with Milk.....
“ “ “	Scratch Feed.....
E. Steen & Bro., Baltimore, Md.	Lady Maryland Dairy Feed.....
“ “ “	Little Boy Blue Dairy Feed.....
“ “ “	Golden Goose Laying Mash, with BM.....
“ “ “	Blue Hen Laying Mash, with BM.....
“ “ “	Golden Goose Fancy Scratch Feed.....
“ “ “	Blue Hen Scratch Feed.....
D. A. Stickell & Sons, Inc., Hagerstown, Md.	‡Su-Pur Sweet 32% Mixing Ration.....
“ “ “	Dairy Queen Sweet Milk Maker.....
“ “ “	‡Dairy Queen Sweet Milk Maker.....
“ “ “	Zip Sweet 16% Dairy Feed.....
“ “ “	Blue Ridge Egg Mash.....
“ “ “	Blue Ridge Egg Mash.....
“ “ “	Blue Ridge Egg Mash.....
“ “ “	Blue Ridge Egg Mash.....
“ “ “	Growing Mash.....
“ “ “	Growing Mash.....
“ “ “	‡Su-Pur Coccidiosis Flushing Mash.....
“ “ “	Victor Horse and Mule Feed.....
“ “ “	‡OTE-Molassie.....
“ “ “	Blue Ridge Hog Ration.....
F. W. Stock & Sons, Hillsdale, Mich.	‡Bran, with M. R. S.....
Suffolk Oil Mill Co., Inc., Suffolk, Va.	Peanut Meal.....
“ “ “	Peanut Meal.....

* Means deficient in protein or fat.

‡ Not licensed at time of sale.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Hagerstown.....		31.00	34.75					42.64		As declared on sack
Baltimore.....		31.00	33.52					42.97		" "
Hagerstown.....	4.31	20.00	24.13	10.50	16.75	36.00	31.77	3.10	19.94	" "
Baltimore.....	5.62	55.00	57.04	6.00	10.37	5.00	2.34	24.44	.19	As declared on sack
Cumberland.....	10.16	16.00	17.07	3.50	3.21	13.00	8.57	11.09	49.90	As decl'd on sack. A.
Cumberland.....	8.70	20.00	20.62	4.00	4.96	7.00	6.49	9.15	50.08	As declared on sack
Cumberland.....	9.01	20.00	19.31	4.50	4.27	4.00	4.85	7.52	55.04	" "
Cumberland.....	10.30	8.00	9.74	3.75	4.79	5.00	4.67	1.88	68.62	" "
Cumberland.....	11.28	10.00	11.23	3.00	3.51	5.00	2.29	1.90	69.79	" "
Baltimore.....	6.50	50.00	51.42	6.00	5.39	3.00	1.89	27.05	7.75	As declared on sack
Elkton.....	6.89	50.00	48.35	6.00	12.83	3.00	2.27	29.43	.23	" "
Elkton.....	8.36	55.00	59.67	6.00	7.10	2.00	.99	21.09	2.79	" "
Smithsburg.....	10.94	16.00	19.66	4.00	3.56	6.00	4.86	5.55	55.43	As declared on sack
Hagerstown.....	9.43	19.00	22.29	1.75	1.26	2.00	1.17	2.55	63.30	As declared on sack
Derwood.....	9.35	23.00	28.17	1.00	1.59	8.00	7.69	6.75	46.45	As declared on sack
Beltsville.....	7.98	22.00	25.45	4.50	5.02	12.00	10.13	6.00	45.42	B.
Beltsville.....	8.65	20.00	20.97	4.50	4.55	7.00	6.32	7.94	51.57	As declared on sack
Norbeck.....	8.12	20.00	21.59	4.50	6.54	7.00	6.09	8.66	49.00	" "
Beltsville.....	11.12	10.00	11.41	2.50	3.00	5.00	2.76	1.46	70.25	" "
Baltimore.....	8.13	24.00	25.89	5.00	4.91	9.00	8.66	8.15	44.26	C.
Baltimore.....	8.99	16.00	18.61	3.50	3.34	13.00	10.04	8.36	50.16	F.
Carson's Run.....	9.66	20.00	21.94	4.00	5.54	9.00	4.53	8.63	49.70	As declared on sack
Baltimore.....	9.26	20.00	21.50	4.00	5.45	10.00	6.71	8.55	48.53	D.
Baltimore.....	9.80	10.00	10.71	2.50	2.71	5.00	2.00	1.46	73.32	F.
Baltimore.....	10.60	9.00	10.27	2.50	3.01	5.00	2.23	1.65	72.24	G.
Silver Spring.....	8.40	32.00	33.31	4.50	5.94	10.00	7.79	9.55	35.01	As declared on sack
Silver Spring.....	10.06	20.00	22.58	3.50	4.44	10.00	7.69	7.49	47.74	" "
Cumberland.....	10.62	20.00	22.68	3.50	3.86	10.00	8.73	7.07	47.04	" "
Laurel.....	9.08	16.00	19.13	3.00	4.08	12.00	13.16	9.33	45.22	" "
Hagerstown.....	10.05	20.00	20.27	5.00	6.14	6.00	4.51	10.30	48.73	" "
Bethesda.....	8.79	20.00	22.82	5.00	5.34	6.00	4.96	8.72	49.37	" "
Laurel.....	9.15	20.00	20.80	5.00	5.29	6.00	4.45	10.05	50.26	" "
Hagerstown.....	8.19	20.00	22.99	5.00	6.55	6.00	4.28	8.97	49.02	" "
Hagerstown.....	8.99	16.00	16.15	5.00	5.45	7.00	4.81	8.60	56.00	" "
Hagerstown.....	8.63	16.00	16.50	5.00	6.09	7.00	5.12	8.45	55.21	" "
Parkton.....	7.74	14.00	16.15	3.00	4.56	5.00	4.23	10.17	57.15	" "
Hagerstown.....	11.74	6.00	7.96	2.00	1.99	12.00	13.28	6.13	58.90	" "
Parkton.....	9.66	3.00	5.65	1.00	1.16	25.00	23.11	8.37	52.05	" "
Hagerstown.....	10.74	17.00	21.11	3.00	5.03	6.00	5.33	9.77	48.02	H.
Hagerstown.....	6.70	16.00	18.95	3.00	4.19	10.00	6.34	5.66	58.16	As declared on sack
Baltimore.....	7.15	41.00	40.40	6.00	7.63	15.00	7.15	5.78	31.89	As declared on sack
Forest Hill.....	6.03	41.00	42.39	6.00	6.95	15.00	6.43	6.16	32.04	" "

A—Fat guarantee and ingredients on sack differ from license.

B—Also detected beet pulp.

C—Fat and fibre guarantee and ingredients on sack differ from license. Unable to detect corn feed meal—also detected corn bran and cracked corn.

D—Ingredients on sack differ from license.

E—Unable to detect kafir corn or milo maize. Present some damaged and sprouted wheat.

F—Unable to detect corn feed meal—also detected corn bran and cracked corn.

G—Some damaged wheat used. Only a very small amount of kafir, milo and sunflower present.

H—Also detected ground oats.

MANUFACTURER AND ADDRESS	NAME OF FEED
Suffolk Oil Mill Co. Inc., Suffolk, Va. (Cont.)	Peanut Meal.....
“ “ “	Farm Boy Peanut Meal.....
Supplee-Willis-Jones Milk Co., Phila., Pa.	Roller Process Skim Milk Powder.....
Swift & Co., Chicago, Ill.	Laymore Meat and Bone Scraps.....
“ “ “	Special Bone Meal.....
“ “ “	Dried Buttermilk.....
N. & G. Taylor Co., Cumberland, Md.	Refuse Cleaning Mixture.....
J. T. Towson & Son, Smithsburg, Md.	Egg Mash.....
Ubiko Milling Co., Cincinnati, Ohio.	†Calf Meal.....
“ “ “	†Dried Beet Pulp.....
Vitality Mills, Inc., Chicago, Ill.	†*Circle Bee 20% Dairy Feed, with Dried Beet Pulp.....
“ “ “	Sweet Honey Bee Dairy Feed.....
“ “ “	*Sunflower Egg Mash.....
“ “ “	C-Er-Pay Laying Feed.....
“ “ “	Sugared Velvet Stock Feed.....
“ “ “	†Special Rosebro Horse Feed.....
C. B. Watkins & Co., Baltimore, Md.	Peerless Scratch Grains.....
Wilkins-Rogers Milling Co., Washington, D. C.	Wilroco Cottonseed Meal.....
“ “ “	Md. University 1928 Contest Egg Mash Formula.....
Allied Mills, Inc., Chicago, Ill.	Wayne Dog Ration.....
Austin's Dog Bread & Animal Food Co., Chelsea, Mass.	Dog Biscuit.....
“ “ “	Puppy Biscuits.....
“ “ “	Dog Bread Flakes.....
F. H. Bennett Biscuit Co. (Wheatworth, Inc., Owners), New York, N. Y.	†Milk-Bone Dog Food.....
“ “ “	†Milk-Bone Puppy Food.....
“ “ “	†Junior Milk-Bone for Dogs and Puppies.....
“ “ “	†Milk-Bone Crumbs.....
M. J. Conner, Battle Creek, Mich.	†Ready-to-Feed Cooked Dog Food.....
Derwood Mill, Derwood, Md.	Dog Feed.....
Albert Dickinson Co., Chicago, Ill.	†Dog Food.....
“ “ “	Dog Food.....
Ralston Purina Co., St. Louis, Mo.	Purina Dog Chow.....
Spratt's Patent (AM) Ltd., Newark, N. J.	Meat-Fibrine Puppy Biscuits.....
“ “ “	Meat-Fibrine Ovals.....
“ “ “	Fibo.....

* Means deficient in protein or fat.

† Means deficient in both protein and fat.

‡ Not licensed at time of sale.

A—L
B—A
C—P
x Fa

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
Towson.....	7.20	41.00	42.12	6.00	7.23	15.00	7.22	5.90	30.33	As declared on sack
Bel Air.....	7.86	36.00	38.08	6.00	6.30	18.00	10.62	5.95	31.19	" "
Hagerstown.....		30.00	37.38	.50 x	.83			8.50		As declared on sack
Hagerstown.....	7.34	45.00	45.81	6.00	7.98	3.00	1.69	35.98	1.20	As declared on sack
Hagerstown.....	3.70	5.00	12.72	0.00	5.04	3.00	1.36	73.98	3.20	" "
Hagerstown.....		30.00	33.96	5.50 x	7.39			11.55		" "
Cumberland.....	6.09	14.00	14.41	5.50	8.45	10.00	7.13	5.70	58.22	As declared on sack
Smithsburg.....	8.05	20.00	21.41	4.00	5.49	9.00	7.36	12.32	45.37	A.
Mt. Airy.....	9.34	28.00	28.31	3.00	3.22	3.00	2.85	5.82	50.46	As declared on sack
Mt. Airy.....	8.98	8.00	8.69	.50	.73	20.00	19.36	3.13	59.11	" "
Dried										
Hancock.....	10.08	20.00	21.85	5.00	4.14	10.00	9.31	7.40	47.22	As declared on sack
Hancock.....	10.77	16.00	19.20	4.00	4.51	12.00	9.82	7.84	47.86	B.
Hancock.....	10.24	20.00	17.73	4.50	5.14	8.00	6.28	8.87	51.74	As declared on sack
Hancock.....	10.38	17.00	16.53	3.50	4.76	8.00	6.44	8.77	53.12	A.
Hancock.....	9.93	8.00	12.29	3.00	3.45	12.00	10.00	6.35	57.98	As declared on sack
Hagerstown.....	8.58	9.00	10.58	2.00	3.61	11.00	9.94	5.25	62.04	" "
Baltimore.....	9.19	10.00	11.14	3.00	2.68	5.00	2.57	2.00	72.42	A.
Silver Spring.....	6.41	41.00	41.68	6.00	6.75	10.00	10.50	6.52	28.14	As declared on sack
Hyattsville.....	8.67	20.00	21.94	5.00	5.87	7.00	6.46	9.11	47.95	" "
Frostburg.....	7.10	14.00	16.04	1.00	2.29	1.50	1.51	4.56	68.50	As declared on pack.
Baltimore.....	8.21	18.00	24.13	1.00	1.94	2.00	.82	3.30	61.60	As declared on pack.
Baltimore.....	7.94	18.00	23.17	1.00	1.49	2.00	.76	4.62	62.02	" "
Baltimore.....	7.83	16.00	18.87	1.00	1.89	2.00	.61	2.76	68.04	" "
Baltimore.....	7.10	17.00	18.25	1.00	1.46	2.50	1.11	3.56	68.52	As declared on pack.
Baltimore.....	6.63	17.00	22.55	1.00	1.87	2.50	1.45	3.93	63.57	" "
Baltimore.....	7.05	17.00	17.29	1.00	1.86	2.50	2.03	4.70	67.07	" "
Baltimore.....	7.29	17.00	21.41	1.00	2.08	2.50	1.45	3.93	63.84	" "
Frostburg.....	6.16	17.50	15.27	6.75	2.91	2.20	1.35	9.56	64.75	As decl'd on pack. C
Derwood.....	9.08	21.00	21.94	4.00	4.00	4.00	3.78	11.96	49.24	As declared on pack.
Cumberland.....	8.17	30.00	37.38	5.00	6.05	3.50	2.95	12.26	33.19	A.
Cumberland.....	8.58	30.00	36.77	5.00	7.07	3.50	2.24	9.29	36.05	A.
Hyattsville.....	8.50	20.00	22.11	3.00	3.90	4.00	1.97	8.19	55.33	As declared on pack.
Baltimore.....	6.73	19.00	20.53	1.75	1.37	2.00	1.16	2.39	67.82	As declared on pack.
Baltimore.....	6.42	19.00	22.82	1.75	1.75	2.00	.89	2.07	66.05	" "
Baltimore.....	6.56	19.00	23.78	1.75	1.52	2.00	.47	3.62	64.05	" "

A—Ingredients on sack differ from license.

B—Also detected whole weed seeds.

C—Protein, fat and fibre guarantee on sack differ from license.

x Fat as determined by the Roesse-Gottlieb Method.

MANUFACTURER AND ADDRESS	NAME OF FEED
East Coast Trading Co., Baltimore, Md. Dr. Hess & Clark, Inc., Ashland, Ohio.	Oberco Soluble Minerals..... *Poultry Pan-A-Min..... †Hog Special.....

* Means deficient in protein or fat.

† Not licensed at time of sale.

PLACE COLLECTED	Calcium Oxide		Phosphorus P ₂ O ₅		Salt	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Chewsville.....	25.00	29.29	20.00	22.10	.....	.....
Maugansville.....	22.00	34.27	11.00	10.10	10.00	8.49
Maugansville.....	16.00	23.57	4.00	7.20	20.00	25.16

TABLES

The following pages contain a detailed report of twenty-four samples of lime sampled from November 1st to January 1st. Limes are considered serious deficient with respect to chemical analysis when they are 1 per cent or more deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Oxide CaO		Magnesium Oxide MgO	Sand & Insol. (no Val.)		Total Oxides CaO+MgO
				Guaranteed	Found		Guaranteed	Found	
2606	Cavetown Planing Milling Co., Cavetown, Md.	Ground Burned Lime	Cavetown.....	80.00	65.41	2.00	16.61	2.82	82.02
2605	Marshall Porter, Eckhart, Md.	Lump Lime	Cresaptown.....	70.00	85.57	13.00	4.59	1.05	90.16
ANALYSES OF AGRICULTURAL HYDRATED LIME									
2589	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime	Fallston.....	60.00	60.48	5.00	4.53	12.40	65.01
2573	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime	Woodsboro.....	60.00	61.37	5.00	3.86	9.98	65.23
2590	Blair Limestone Co., Martinsburg, W. Va.	Opequon Hydrated Lime	Rising Sun.....	67.00	67.76	2.00	2.02	2.89	69.78
2583	Blair Limestone Co., Martinsburg, W. Va.	Opequon Hydrated Lime	Salisbury.....	67.00	68.54	2.00	2.08	2.54	70.62
2582	Chester Valley Lime & Products Co., West Chester, Pa.	Hydrated Lime	Salisbury.....	46.50	46.70	31.00	33.46	1.21	80.16
2599	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick County Hydrated Lime	Laurel.....	65.00	72.02	5.00	.95	.75	72.97
2574	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick County Hydrated Lime	Frederick.....	65.00	65.07	5.00	6.66	3.96	71.73
2576	LeGore Lime Co., LeGore, Md.	Hydrated Lime	Westminster..	60.00	65.52	5.00	4.77	5.39	70.29
2591	Steady & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Colona.....	67.00	72.46	5.00	2.52	.20	74.98
2584	Steady & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Denton.....	67.00	72.57	5.00	2.32	.23	74.89
2578	Steady & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Westminster..	67.00	68.99	5.00	3.87	2.01	72.86
2577	Steady & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Taneytown.....	67.00	70.89	5.00	3.11	.37	74.00
2602	Universal Gypsum & Lime Co., Chicago, Ill.	*Palmer Hydrated Lime	Cardiff.....	70.00	71.34	5.00	2.04	.32	73.38
2603	Warner Co., Philadelphia, Pa.	Limoid (Hydrated Lime)	Elkton.....	46.50	47.37	31.00	33.53	.86	80.90
2581	Warner Co., Philadelphia, Pa.	Limoid (Hydrated Lime)	Snow Hill.....	46.50	47.26	31.00	34.03	1.00	81.29
2592	Washington Building Lime Co., Baltimore, Md.	Standard Hydrated Lime	Providence...	70.00	72.35	2.00	1.35	1.18	73.70
2585	Washington Building Lime Co., Baltimore, Md.	Standard Hydrated Lime	Salisbury.....	70.00	72.24	2.00	1.26	.42	73.50

*Indicates products deficient in total oxides.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

2585 Washington Building Lime Co., Baltimore, Md.	Standard Hydrated Lime.	Providence.	70.00	72.35	2.00	1.35	1.18	73.70
	Salisbury.		70.00	72.24	2.00	1.26	.42	73.50

*Indicates products deficient in total oxides.

2580 Alba Marl Lime Co., Charles Town, W. Va.	Alba Marl.	Sykesville.	50.00	52.97	.50	.64	2.02	53.61
2575 M. J. Grove Lime Co., Inc., Lime Kiln, Md.	†Famous Frederick County Pulverized Limestone.	Frederick.	50.00	53.31	.....	.95	2.34	54.26
2579 Potomac Poultry Food Co., Inc., Baltimore, Md.	†Potomac Oyster Shell Lime.	Baltimore.	46.00	46.82	.50	.72	11.14	47.54
2593 Standard Lime & Stone Co., Baltimore, Md.	†Pulverized Limestone.	Providence.	53.20	54.77	.50	.94	.71	55.71
2604 Universal Gypsum & Lime Co., Chicago, Ill.	†Challenge Brand Limestone Flour.	Cardiff.	48.00	52.97	6.00	2.36	.56	55.33

†Ground Shell or Stone, Mechanical Analyses see below.

TABLE II—SHOWING MECHANICAL ANALYSIS OF GROUND LIMESTONE AND GROUND OYSTER SHELLS

For the Chemical Analyses of these Samples, see preceding table. Figures are percentages or pounds per hundred. "Mesh" indicates the sieve used; "20 Mesh" has 20 wires to the inch.

No.	Name of Manufacturer	Name of Lime or Kind	Finer than 100 Mesh	Between 80 & 100 Mesh	Between 60 & 80 Mesh	Between 40 & 60 Mesh	Between 20 & 40 Mesh	Coarser than 20 Mesh
2575	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick County Pulverized Limestone.	78	7	3	7	5	0
2579	Potomac Poultry Food Co., Inc., Baltimore, Md.	Potomac Oyster Shell Lime.	47	4	4	11	27	7
2593	Standard Lime & Stone Co., Baltimore, Md.	Pulverized Limestone.	100	0	0	0	0	0
2604	Universal Gypsum & Lime Co., Chicago, Ill.	Challenge Brand Limestone Flour	100	0	0	0	0	0